

Oct. 2008



SERVICE MANUAL ADDENDUM

IC-A110 IC-A110EURO

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SECTION 4 ADJUSTMENT PROCEDURES

4-1 PREPARATION

- Some versions may need the optional CS-A110 CLONING SOFTWARE and OPC-478, OPC-592 CLONING CABLE for setting the adjustment frequency.
- All adjustments must be performed on the [Wide] mode.

■ REQUIRED TEST EQUIPMENT

EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
DC power supply	Output voltage : 13.75 V DC Current capacity : 10 A or more	DC voltmeter	Input impedance : 50 k Ω /V DC or better
RF power meter (terminated type)	Measuring range : 1–50 W Frequency range : 50–300 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1	DC ammeter	Measuring range : 0.1–1 A
		Digital multimeter	Input impedance : 10 M Ω /V DC or better
		Audio generator	Frequency range : 300–3000 Hz Measuring range : 1–500 mV
		Standard signal generator (SSG)	Frequency range : 0.1–300 MHz Output level : 0.1 μ V–32 mV (–127 to –17 dBm)
Frequency counter	Frequency range : 0.1–300 MHz Frequency accuracy : ± 1 ppm or better Sensitivity : 100 mV or better	AC millivoltmeter	Measuring range : 10 mV–10 V
Modulation analyzer	Frequency range : DC–300 MHz Measuring range : 0 to 100 %	Attenuator	Power attenuation : 40 or 50 dB Capacity : 50 W or more
Distortion meter	Frequency range : 1 kHz ± 10 % Measuring range : 1 to 100 %	Terminator	Impedance : 50 Ω Capacity : 50 W or more
External speaker	Impedance : 8 Ω		

■ VFO CHANNEL ID LIST

- Channel spacing: 8.33/25 kHz [USA/USA-1]

Operating Freq. (MHz)	Channel spacing (kHz)	Channel ID (Displayed Freq.)
118.0000	25	118.000
118.0000	8.33	118.005
118.0083	8.33	118.010
118.0167	8.33	118.015
118.0250	25	118.020
118.0250	8.33	118.030
118.0333	8.33	118.035
118.0417	8.33	118.040
118.0500	25	118.050
118.0500	8.33	118.055
118.0583	8.33	118.060
118.0667	8.33	118.065
118.0750	25	118.070
118.0750	8.33	118.080
118.0833	8.33	118.085
118.0917	8.33	118.090
118.1000	25	118.100
118.1000	8.33	118.105
etc		

- Channel spacing: 25 kHz [GEN/GEN-1], [CHN]

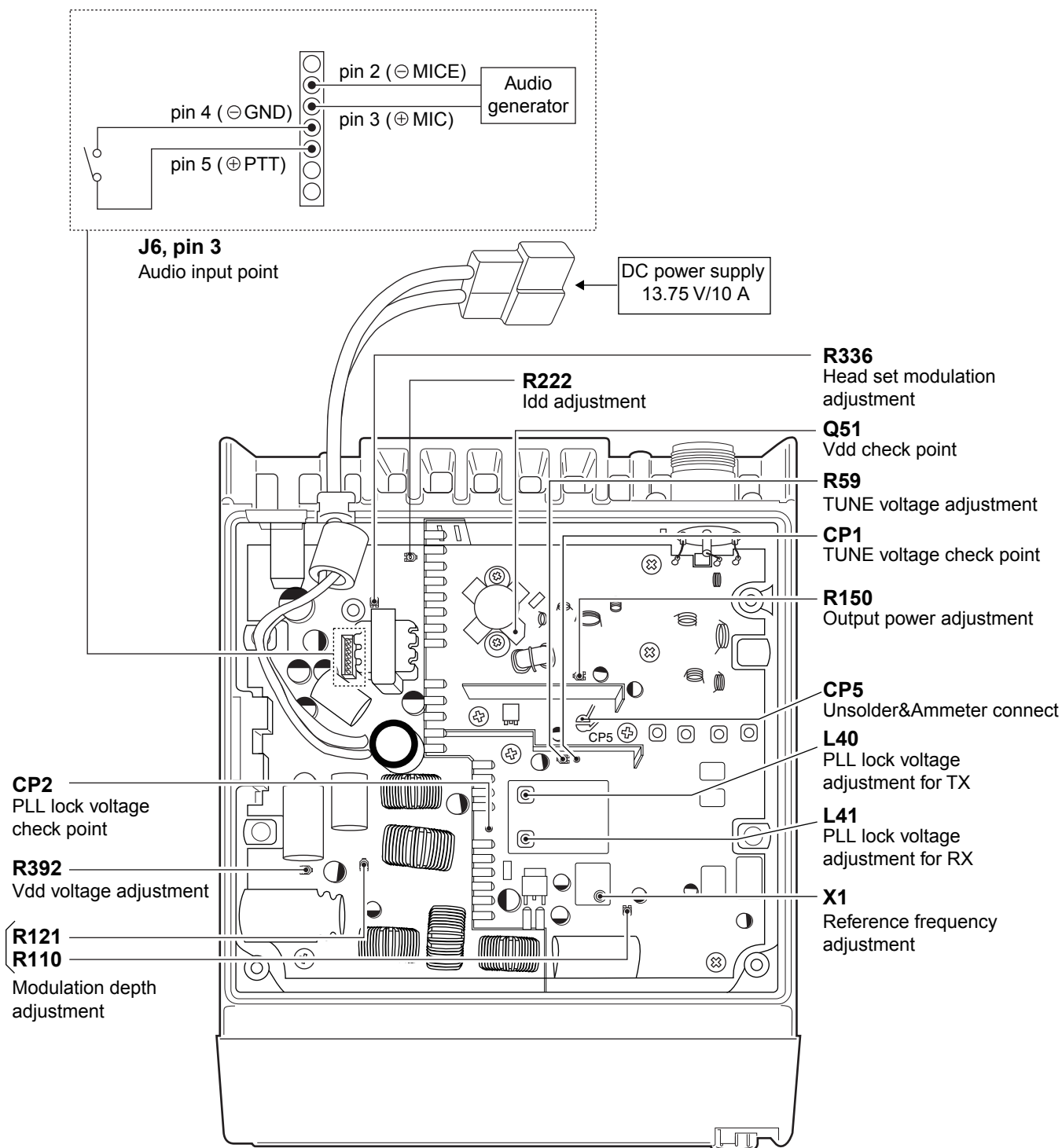
Operating Freq. (MHz)	Channel spacing (kHz)	Channel ID (Displayed Freq.)
118.0000	25	118.000
118.0250	25	118.025
118.0500	25	118.050
118.0750	25	118.075
118.1000	25	118.100
etc		

4-2 PLL ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
Vdd DRAIN VOLTAGE	1 • Operating frequency : 118.000 MHz • Receiving	MAIN	Connect a digital multi-meter to drain terminal of Q51.	13.5 V	MAIN	R392
Idd DRAIN CURRENT	1 • Operating frequency : 127.000 MHz • Transmitting	MAIN	1) Unsolder CP5. 2) Connect an am-meter to CP5.	650–750 mA	MAIN	R222
	2 –		Recover the soldering of CP5.	–	–	–
PLL LOCK VOLTAGE	1 • Operating frequency : 118.000 MHz • Receiving	MAIN	Connect a digital multi-meter to the check point CP2.	0.5 V	MAIN	L41
	2 • Transmitting			0.5 V [A110] 0.3 V [A110EURO]		L40
TUNE VOLTAGE	1 • Operating frequency : 118.000 MHz • Receiving	MAIN	Connect a digital multi-meter to the check point CP1.	0.7 V	MAIN	R59
REFERENCE FREQUENCY	1 • Operating frequency : 136.950 MHz • Connect an RF power meter or a 50 Ω dummy load to the antenna connector. • Transmitting	Rear panel	Loosely couple the frequency counter to the antenna connector.	136.9500 MHz	MAIN	X1

4-3 TRANSMITTER ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
OUTPUT POWER	1 • Operating frequency : 127.000 MHz • No audio applied to the [MIC] jack. • Transmitting	Rear panel	Connect an RF power meter to the antenna connector.	9.0 W	MAIN	R150
MODULATION DEPTH	1 • Operating frequency : 127.000 MHz • Connect an audio generator to the [MIC] jack and set as : 1 kHz/10 mVrms • Set a modulation analyzer as : HPF : OFF LPF : OFF De-emphasis : OFF Detector : (P–P)/2 • Pre-set R110 and R121 on the MAIN unit to the center position. • Transmitting	Rear panel	Connect a modulation analyzer to the antenna connector through an attenuator.	90 %	MAIN	R121
	2 • Set an audio generator as: 1 kHz/1 mVrms • Transmitting			30 %		R110
HEAD SET MODULATION	1 • Operating frequency : 127.000 MHz • Connect an audio generator to the [EXT MIC] jack and set as : 1 kHz/25 mVrms • Transmitting	Rear panel	Connect a modulation analyzer to the antenna connector through an attenuator.	30 %	MAIN	R336



PARTS LIST

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
IC1	1140008780	S.IC	HD6433823A19D Except [A110EURO]
	1140009830	S.IC	HD6433823A80D [A110EURO]
IC2	1110005771	S.IC	S-80942CNMC-G9CT2G
IC3	1130007111	S.IC	TC7W04FU
IC4	1130011321	S.IC	CAT25C16VI-TE13
IC5	1130007570	S.IC	BU4094BCFV-E2
Q1	1590000440	S.TR	DTA143ZUA T106
Q2	1510000881	S.TR	2SA1622-6-TL-E
Q3	1530003281	S.TR	2SC4211-6-TL-E
Q4	1590001980	S.TR	XP4315 (TX)
Q5	1590000440	S.TR	DTA143ZUA T106
Q6	1590000680	S.TR	DTC114EUA T106
Q7	1590000680	S.TR	DTC114EUA T106
D5	1790001280	S.DIO	MA111 (TX)
D6	1750000130	S.DIO	DA204U T106
X1	6060000770	S.CER	EFOP3684E5
L1	6200003960	S.COL	MLF1608A 1R0K-T Except [A110EURO]
L2	6200003540	S.COL	MLF1608D R22K-T Except [A110EURO]
R1	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)
R2	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R3	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R4	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R5	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R6	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R7	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R8	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)
R9	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R10	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R11	7030003370	S.RES	ERJ3GEYJ 271 V (270)
R12	7030003350	S.RES	ERJ3GEYJ 181 V (180)
R13	7030003350	S.RES	ERJ3GEYJ 181 V (180)
R14	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)
R15	7030003590	S.RES	ERJ3GEYJ 183 V (18 k)
R16	7030003540	S.RES	ERJ3GEYJ 682 V (6.8 k)
R17	7030003620	S.RES	ERJ3GEYJ 333 V (33 k)
R18	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R19	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R20	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R21	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R22	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R23	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R24	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R26	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R27	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R28	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)
R29	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R30	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)
R31	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)
R32	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)
R33	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)
R34	7030003500	S.RES	ERJ3GEYJ 332 V (3.3 k)
R36	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)
R37	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R38	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)
R41	7030003610	S.RES	ERJ3GEYJ 273 V (27 k)
R42	7030003610	S.RES	ERJ3GEYJ 273 V (27 k)
R43	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R44	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R45	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
R46	7030003610	S.RES	ERJ3GEYJ 273 V (27 k)
R47	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)
C1	4030006860	S.CER	C1608 JB 1H 102K-T
C2	4030006860	S.CER	C1608 JB 1H 102K-T
C3	4030007090	S.CER	C1608 CH 1H 470J-T
C4	4030007090	S.CER	C1608 CH 1H 470J-T
C5	4030006860	S.CER	C1608 JB 1H 102K-T
C6	4030007090	S.CER	C1608 CH 1H 470J-T
C7	4030006850	S.CER	C1608 JB 1H 471K-T
C8	4030006850	S.CER	C1608 JB 1H 471K-T
C9	4030008560	S.CER	C1608 CH 1H 300J-T
C10	4030008560	S.CER	C1608 CH 1H 300J-T
C11	4030008890	S.CER	C1608 JB 1H 273K-T
C12	4030011600	S.CER	C1608 JB 1E 104K-T
C13	4030011600	S.CER	C1608 JB 1E 104K-T
C14	4030011600	S.CER	C1608 JB 1E 104K-T
C15	4030007090	S.CER	C1608 CH 1H 470J-T
C16	4030011600	S.CER	C1608 JB 1E 104K-T
C17	4030011600	S.CER	C1608 JB 1E 104K-T

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
C18	4030006860	S.CER	C1608 JB 1H 102K-T
C19	4030006860	S.CER	C1608 JB 1H 102K-T
C20	4030011600	S.CER	C1608 JB 1E 104K-T
C21	4030006860	S.CER	C1608 JB 1H 102K-T
C22	4030011600	S.CER	C1608 JB 1E 104K-T
C23	4550006480	S.TAN	TEESVA 1C 475M8R
C24	4030011600	S.CER	C1608 JB 1E 104K-T
C25	4030011600	S.CER	C1608 JB 1E 104K-T
C26	4030011600	S.CER	C1608 JB 1E 104K-T
C27	4550006250	S.TAN	TEESVA 1A 106M8R
C28	4030006860	S.CER	C1608 JB 1H 102K-T
C29	4030006860	S.CER	C1608 JB 1H 102K-T
C30	4030006890	S.CER	C1608 JF 1H 103Z-T
	4030007090	S.CER	C1608 CH 1H 470J-T
C31	4030006860	S.CER	C1608 JB 1H 102K-T
C32	4030006860	S.CER	C1608 JB 1H 102K-T
C33	4030006860	S.CER	C1608 JB 1H 102K-T
C34	4030006860	S.CER	C1608 JB 1H 102K-T
C35	4030006860	S.CER	C1608 JB 1H 102K-T
C36	4030006860	S.CER	C1608 JB 1H 102K-T
C37	4030007090	S.CER	C1608 CH 1H 470J-T
C38	4030006860	S.CER	C1608 JB 1H 102K-T
J1	6510020511	S.CNR	FH12-40S-0.5SV (55)
J2	6450001471	CNR	95003-2881
DS1	5030001740	LCD	HLC7453-012400
DS2	5040002030	S.LED	CL-170Y-CD-T
DS3	5040002030	S.LED	CL-170Y-CD-T
DS4	5040002030	S.LED	CL-170Y-CD-T
DS5	5040002030	S.LED	CL-170Y-CD-T
DS6	5040002030	S.LED	CL-170Y-CD-T
DS7	5040002030	S.LED	CL-170Y-CD-T
S1	2250000420	ECR	EVQB2CFC620B
SP1	2510000880	SP	SME-45W Except [GEN], [AUS]
	2510000881	SP	SME-C45W0819[GEN], [AUS]
W1	7120000470	JMP	ERDS2T0
W2	7120000470	JMP	ERDS2T0
W3	7030003860	S.RES	ERJ3GE JPW V
W4	7030003860	S.RES	ERJ3GE JPW V
W6	8900007680	CBL	OPC-741 (N:40 L:55)
W6	8900007682	CBL	OPC-741A-1 (P0.5,N40,L55)
EP2	8930037960	LCT	SRCN-1705 ZSS

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1130008831	S.IC TB31207AFNG(EL) 1	B	88/26.6
IC4	1110003670	S.IC BA3308F-E2	B	102.7/22.9
IC5	1110002751	S.IC TA75S01F(TE85R,F)	T	109.7/21
IC6	1130004201	S.IC TC4S66F(TE85R,F)	B	60.1/37.4
IC7	1110006090	S.IC XC6202P502PR	B	75.4/14.3
IC11	1110002400	S.IC NJM2107F-TE1-#ZZZB	B	104.6/37.8
IC13	1130011860	S.IC SM6451BT-G-E2 [GEN]	B	50.8/41.2
	1130011860	S.IC SM6451BT-G-E2 [GEN-1]		
	1130011860	S.IC SM6451BT-G-E2 [USA]		
	1130011860	S.IC SM6451BT-G-E2 [USA-1]		
	1130008370	S.IC TC9260F (HR) 2 [AUS]		
	1130011860	S.IC SM6451BT-G-E2 [CHN]		
	1130011860	S.IC SM6451BT-G-E2 [EUR]		
	1130011860	S.IC SM6451BT-G-E2 [EUR-1]		
IC15	1110005011	S.IC MC33063ADR2G	B	17.2/45.8
IC16	1130006221	S.IC TC4W53FU(TE12L,F)	B	101.7/12.2
IC17	1130006221	S.IC TC4W53FU(TE12L,F) [USA]	B	114/34.8
	1130006221	S.IC TC4W53FU(TE12L,F) [USA-1]		
	1130006221	S.IC TC4W53FU(TE12L,F) [EUR]		
	1130006221	S.IC TC4W53FU(TE12L,F) [EUR-1]		
IC18	1130006221	S.IC TC4W53FU(TE12L,F) [USA]	B	127.5/18
	1130006221	S.IC TC4W53FU(TE12L,F) [USA-1]		
	1130006221	S.IC TC4W53FU(TE12L,F) [EUR]		
	1130006221	S.IC TC4W53FU(TE12L,F) [EUR-1]		
IC19	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	60.3/28.5
IC22	1130006221	S.IC TC4W53FU(TE12L,F)	B	52.5/24.9
IC26	1180000421	S.IC TA78L05F(TE12R,F)	B	25.6/50.1
IC28	1130004201	S.IC TC4S66F(TE85R,F)	B	18.7/71.5
IC29	1180002010	S.REG BA08FP-E2	T	73.9/22.6
IC30	1130004201	S.IC TC4S66F(TE85R,F)	B	36.5/66
IC31	1110002751	S.IC TA75S01F(TE85R,F)	T	106/7.5
IC37	1110003250	S.IC TDA7233D (TDA7233D013TR)	B	25.9/76
IC40	1110003201	S.IC TA31136FNG(EL)	B	113.7/39.6
IC41	1110003091	IC LA4425A-E		
IC42	1110002751	S.IC TA75S01F(TE85R,F)	T	58.7/29.7
IC43	1190001211	S.IC HIP4081AIBZ-T	T	21.2/37.9
IC44	1110005131	S.IC UPC311G2-E2-A	B	6.5/15
IC45	1110005100	S.IC NJM072BM-TE1-#ZZZB	T	7.4/25
IC46	1110005011	S.IC MC33063ADR2G	B	19.8/15.8
IC47	1190001211	S.IC HIP4081AIBZ-T	T	18.4/17.7
IC48	1130006221	S.IC TC4W53FU(TE12L,F)	B	6.8/24.1
IC50	1110002751	S.IC TA75S01F(TE85R,F)	B	86.8/79
IC51	1110002751	S.IC TA75S01F(TE85R,F)	T	104.8/13.4
IC52	1190002051	S.IC SPM5001-TL-E 1	T	104.4/51.6
Q1	1580000731	S.FET 3SK293(TE85L,F)	B	120.8/62
Q3	1530002601	S.TRA 2SC4215-O(TE85R,F)	B	123.8/35.6
Q4	1530002601	S.TRA 2SC4215-O(TE85R,F)	B	128.9/13.7
Q5	1530002601	S.TRA 2SC4215-O(TE85R,F)	B	118.9/14.3
Q6	1530002601	S.TRA 2SC4215-O(TE85R,F)	B	115.7/6.6
Q7	1530003281	S.TRA 2SC4211-6-TL-E	B	113/16.4
Q11	1530002280	S.TRA 2SC4081 T106 S	T	88.7/72.4
Q12	1530002561	S.TRA 2SC4403-3-TL-E	B	99.5/33
Q14	1530002561	S.TRA 2SC4403-3-TL-E	B	93.4/41.7
Q15	1530002930	S.TRA 2SC4228(M)-T1 R45	B	99.5/44.4
Q16	1530002851	S.TRA 2SC4116-BL(TE85R,F)	T	98/42.5
Q20	1560001101	S.FET 2SK3074(TE12L,F)	B	83.1/65.7
Q21	1560001061	S.FET 2SK3075(TE12L,Q)	T	67/70.7
Q22	1530003281	S.TRA 2SC4211-6-TL-E	B	67.3/18.4
Q23	1520000460	S.TRA 2SB1132 T100 R	B	61.9/17.8
Q33	1590001980	S.TRA XP4315(TX)	T	105/21.7
Q42	1530002920	S.TRA 2SC4226-T1 R25	B	93/55.7
Q43	1530002920	S.TRA 2SC4226-T1 R25	T	89.9/42.6
Q44	1530002920	S.TRA 2SC4226-T1 R25	T	83.5/48.4
Q51	1590002841	FET MRF137 -M/A>	T	62.8/98.9
Q52	1510000881	S.TRA 2SA1622-6-TL-E	B	100.5/5.9
Q53	1590000980	S.TRA DTB123EK T146	T	76/11.9
Q58	1590001810	S.TRA XP1113(TX)	T	98/46.9
Q59	1530002920	S.TRA 2SC4226-T1 R25	T	82.8/39.7
Q68	1590001980	S.TRA XP4315(TX)	T	111.9/52.8
Q69	1590000980	S.TRA DTB123EK T146	T	112/49.8
Q70	1590000980	S.TRA DTB123EK T146	B	60.2/49.7
Q71	1590001940	S.TRA DTC144EE TL	B	62.3/44.7
Q72	1590001980	S.TRA XP4315(TX)	B	71.6/11.4
Q73	1530002060	S.TRA 2SC4081 T106 R	T	127.6/76.6
Q74	1520000201	S.TRA 2SB798-T2-AZ DK	B	18.4/78.3
Q75	1530002060	S.TRA 2SC4081 T106 R	B	14.8/81.2
Q77	1540000520	S.TRA 2SD1819A(TX)R 0	T	124.9/14.4
Q78	1540000520	S.TRA 2SD1819A(TX)R 0	T	116/15.2
Q79	1560000531	S.FET 2SK880-GR(TE85R,F)	B	73.4/56.8
Q80	1590000720	S.TRA DTA144EUA T106	B	60.6/41.5
Q81	1590000430	S.TRA DTC144EUA T106	B	59.9/44.6
Q82	1530002280	S.TRA 2SC4081 T106 S	B	25.7/54.9
Q83	1530002381	S.TRA 2SC4215-Y(TE85L,F)	T	110.8/33.7
Q84	1530002381	S.TRA 2SC4215-Y(TE85L,F)	T	106.4/31.5
Q86	1590001980	S.TRA XP4315(TX)	B	18.7/87.9
Q87	1560001121	S.FET 2SK2414-Z-E1-AZ	B	18.3/36.9
Q88	1560001121	S.FET 2SK2414-Z-E1-AZ	B	25.3/29.8
Q89	1590001170	S.TRA XP1501-(TX).AB	T	7.5/50.9
Q90	1510001020	TRA 2SA1471R		
Q91	1560001121	S.FET 2SK2414-Z-E1-AZ	B	36.6/31.2
Q92	1560001121	S.FET 2SK2414-Z-E1-AZ	B	32.9/6
Q93	1560001121	S.FET 2SK2414-Z-E1-AZ	B	32.2/17.6
Q94	1590003820	S.FET FW261-TL-E	B	34.2/111.5
Q96	1590000430	S.TRA DTC144EUA T106	B	36.1/99.7

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
Q97	1590000430	S.TRA DTC144EUA T106	B	33.2/98.8
Q98	1510000771	S.TRA 2SA1586-GR(TE85L,F)	T	85.4/69.5
Q99	1530002851	S.TRA 2SC4116-BL(TE85R,F)	T	91.5/72.4
Q100	1590003820	S.FET FW261-TL-E	B	16.7/111.1
Q101	1590000430	S.TRA DTC144EUA T106	B	16.6/99.7
Q102	1530002280	S.TRA 2SC4081 T106 S	B	17.7/23.1
D1	1750000510	S.DIO UM9401F 2 [GEN]	B	121/83
	1750000511	S.DIO UX9401F-STD/TR [GEN-1]		
	1750000511	S.DIO UX9401F-STD/TR [USA]		
	1750000511	S.DIO UX9401F-STD/TR [USA-1]		
	1750000510	S.DIO UM9401F 2 [AUS]		
	1750000760	S.DIO MA4PH224 (MA4P1250-1072TL) [CHN]		
	1750000510	S.DIO UM9401F 2 [EUR]		
D2	1750000511	S.DIO UX9401F-STD/TR [EUR-1]	B	118.3/75.1
	1750000510	S.DIO UM9401F 2 [GEN]		
	1750000511	S.DIO UX9401F-STD/TR [GEN-1]		
	1750000511	S.DIO UX9401F-STD/TR [USA]		
	1750000511	S.DIO UX9401F-STD/TR [USA-1]		
	1750000510	S.DIO UM9401F 2 [AUS]		
	1750000760	S.DIO MA4PH224 (MA4P1250-1072TL) [CHN]		
	1750000510	S.DIO UM9401F 2 [EUR]		
D3	1750000511	S.DIO UX9401F-STD/TR [EUR-1]	T	110/82.4
	1750000510	S.DIO UM9401F 2 [GEN]		
	1750000511	S.DIO UX9401F-STD/TR [GEN-1]		
	1750000511	S.DIO UX9401F-STD/TR [USA]		
	1750000511	S.DIO UX9401F-STD/TR [USA-1]		
	1750000510	S.DIO UM9401F 2 [AUS]		
	1750000760	S.DIO MA4PH224 (MA4P1250-1072TL) [CHN]		
	1750000510	S.DIO UM9401F 2 [EUR]		
D4	1750000511	S.DIO UX9401F-STD/TR [EUR-1]	B	94.2/90.5
D5	1790001670	S.DIO RB706F-40T106	B	88.3/90.4
D6	1720000781	S.VAR HVU350BTRF-E	B	133.5/65.7
D7	1720000781	S.VAR HVU350BTRF-E	B	110.6/65
D8	1720000781	S.VAR HVU350BTRF-E	B	107.2/65.6
D10	1790000620	S.DIO MA77(TX) 0	B	99.5/51.7
D11	1790000620	S.DIO MA77(TX) 0	B	98.7/54.4
D14	1790001330	S.ZEN MA8036-L(TX) 0	B	96.3/23.5
D15	1790001280	S.DIO MA111(TX) 0	B	65.3/15.8
D26	1790001341	S.DIO DE5SC6M-7061	B	30.5/38.9
D27	1790001280	S.DIO MA111(TX) 0	B	100.5/9.5
D28	1750000581	S.DIO 1SV307(TPH3,F) [USA]	B	114.7/52
	1750000581	S.DIO 1SV307(TPH3,F) [USA-1]		
	1750000581	S.DIO 1SV307(TPH3,F) [EUR]		
	1750000581	S.DIO 1SV307(TPH3,F) [EUR-1]		
D29	1750000581	S.DIO 1SV307(TPH3,F)	B	114.7/50.1
D30	1750000581	S.DIO 1SV307(TPH3,F)	B	126.3/48.6
D31	1750000581	S.DIO 1SV307(TPH3,F) [USA]	B	126/51
	1750000581	S.DIO 1SV307(TPH3,F) [USA-1]		
	1750000581	S.DIO 1SV307(TPH3,F) [EUR]		
	1750000581	S.DIO 1SV307(TPH3,F) [EUR-1]		
D35	1730002460	S.ZEN MA8330-M(TX) 0	B	31.4/55.6
D36	1790000700	DIO DSA3A1		
D37	1720000781	S.VAR HVU350BTRF-E	B	128.2/65.7
D38	1750000531	S.DIO 1SV271(TPH3,F)	B	126.4/76.2
D43	1750000261	S.DIO 1SS352(TPH3,F)	B	18/82.1
D44	1730002320	S.ZEN MA8051-M(TX) 0	B	107.9/41.7
D50	1750000531	S.DIO 1SV271(TPH3,F)	B	123.4/43.5
D51	1750000531	S.DIO 1SV271(TPH3,F)	B	132.8/12.1
D52	1750000531	S.DIO 1SV271(TPH3,F)	B	120.3/10
D53	1790001250	S.DIO MA2S111-(TX) 0	T	120.6/74.3
D54	1790001250	S.DIO MA2S111-(TX) 0	T	123.3/74.3
D55	1790000671	S.DIO SB07-03C-TB-E	T	29.7/42.4
D56	1790001341	S.DIO DE5SC6M-7061	B	32.1/24.1
D57	1750000051	S.DIO 1SS193(TE85R,F)	T	27/17.5
D62	1790000671	S.DIO SB07-03C-TB-E	B	33.7/103
D64	1720000781	S.VAR HVU350BTRF-E	T	78.4/45.4
D65	1720000781	S.VAR HVU350BTRF-E	T	77.5/42
D66	1790000671	S.DIO SB07-03C-TB-E	B	15.8/103.2
F11	2010002400	S.MON DSF753SB 38.850 MHz(FL-306)	T	121.2/48
F12	2010002410	S.MON DSF753SB 38.850 MHz(FL-307L) [USA]	T	121.2/55.2
	2010002410	S.MON DSF753SB 38.850 MHz(FL-307L) [USA-1]		
	2010002410	S.MON DSF753SB 38.850 MHz(FL-307L) [EUR]		
	2010002410	S.MON DSF753SB 38.850 MHz(FL-307L) [EUR-1]		
F13	2020001540	CER CFWLBA450KDFA-B0 (CFWM450D) [USA]		
F14	2020001660	CER CFG450H [USA-1]		
	2020001660	CER CFG450H [EUR]		
	2020001660	CER CFG450H [EUR-1]		
F15	4580000110	S.FIL ACF321825-223-T	B	15.5/16.8
F16	2040000500	LC BNX-002-01		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
X1	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [GEN]	T	89.2/24.9
	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [GEN-1]		
	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [USA]		
	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [USA-1]		
	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [AUS]		
	6050010831	S.XTA CR-657A TCXO GS41130 12.8 MHz [CHN]		
	6050010841	S.XTA CR-658A TCXO 12.800 MHz [EUR]		
	6050010841	S.XTA CR-658A TCXO 12.800 MHz [EUR-1]		
L2	6110001670	COI LA-253		
L3	6110001740	COI LA-263		
L4	6110001610	COI LA-244		
L5	6110001610	COI LA-244		
L6	6110001550	COI LA-235		
L7	6170000230	COI LW-25		
L9	6150005001	S.COI LS-527-LF	T	130.8/65.1
L10	6150005001	S.COI LS-527-LF	T	113.7/65.1
L11	6150005001	S.COI LS-527-LF	T	106.4/65.1
L14	6200001630	S.COI ELJNC R10K-F	B	96.3/41.2
L15	6200003300	S.COI ELJNC R22K-F	B	99.1/46.9
L17	6200003290	S.COI ELJNC R12K-F	B	90.1/58.3
L19	6200005731	S.COI ELJRE 39NGFA	B	86.4/62.8
L20	6200002380	S.COI LQW31HN56NJ03L	B	80.5/61.7
L21	6200013030	S.COI 0.35-1.6-6T 31.0N <COMO>	T	54.1/73.8
L22	6200005741	S.COI ELJRE 47NGFA	T	77.3/69
L23	6200012870	S.COI 0.30-1.4-5TR 23.5N <COMO>	T	55.2/77.2
L26	6200003590	S.COI EXCCL3225U1	B	75.6/61.3
L27	6200001920	S.COI ELJNC R15K-F	T	133.6/74.6
L31	6200007001	S.COI ELJRE 82NGFA	T	89.9/40.4
L33	6200004480	S.COI MLF1608D R82K-T	T	73.4/43.5
L35	6200012520	S.COI 0.26-1.0-5TL 12N <COMO>	T	49.3/88.8
L36	6140000670	COI LR-89		
L39	6200004480	S.COI MLF1608D R82K-T	T	89.2/48.8
L40	6200009081	S.COI #E558CN-100025=P3	T	71.9/47.5
L41	6200004851	S.COI #E558CN-100024=P3	T	71.8/36.9
L42	6200004480	S.COI MLF1608D R82K-T	T	74.3/42
L43	6200004480	S.COI MLF1608D R82K-T	T	86.3/44.4
L48	6110001600	COI LA-243		
L49	6150005001	S.COI LS-527-LF	T	122.6/65.1
L50	6110001730	COI LA-262		
L52	6200004480	S.COI MLF1608D R82K-T	T	127.6/78.8
L53	6190001500	COI HK-08S070-1310		
L54	6200007001	S.COI ELJRE 82NGFA	B	102.4/52.1
L55	6200003310	S.COI ELJFC R33M-F	T	110.7/41.4
L56	6200003310	S.COI ELJFC R33M-F	T	113.6/36.1
L57	6200003310	S.COI ELJFC R33M-F	T	110.4/28.6
L60	6200005011	S.COI NLV25T-100J	T	8.9/37.5
L61	6190001510	COI HK-10S080-1210		
L62	6190001500	COI HK-08S070-1310		
L63	6190001500	COI HK-08S070-1310		
L64	6190001500	COI HK-08S070-1310		
L65	6200005011	S.COI NLV25T-100J	T	3.1/31.1
L67	6200013050	S.COI 0.26-0.9-9TR 23.0N <COMO>	T	50.6/82.9
L68	6200012860	S.COI 0.20-0.7-4TR 6.5N <COMO>	T	49.9/94.6
L69	6200012520	S.COI 0.26-1.0-5TL 12N <COMO>	T	50.5/98.8
L70	6110001520	COI LA-232		
L71	6110002110	COI LA-382		
L72	6200002041	S.COI NLV25T-101J	B	125.8/12.4
L73	6200002041	S.COI NLV25T-101J	B	112.3/6.6
L74	6200002710	S.COI ELJFC R18K-F	B	120.6/36.7
L75	6200004480	S.COI MLF1608D R82K-T	B	92/85.8
L77	6200009141	S.COI NLV25T-6R8J	B	84.8/31.4
L78	6190001690	S.COI ZBFS5105-PT-01	B	42.7/46.2
L79	6190001690	S.COI ZBFS5105-PT-01	B	22.2/44.5
L80	6190001690	S.COI ZBFS5105-PT-01	B	55.2/16.8
L81	6190001690	S.COI ZBFS5105-PT-01	B	44.4/13.1
L82	6200004450	S.COI ELJFC 6R8M-F	T	76.2/47.1
L83	6200004880	S.COI ELJFC 3R3K-F	T	83.2/45.5
L84	6200004880	S.COI ELJFC 3R3K-F	T	85.7/36.9
L85	6200004450	S.COI ELJFC 6R8M-F	T	77.4/38.9
L86	6190001690	S.COI ZBFS5105-PT-01	B	13.7/115.6
L87	6200006991	S.COI ELJRE 56NGFA	B	97.2/49.5
L88	6200004480	S.COI MLF1608D R82K-T	B	95.8/7.1
	6200004480	S.COI MLF1608D R82K-T [EUR]		
L89	6130002961	S.COI #617DB-1327=P3	T	100.7/56.3
L90	6130003000	S.COI #617DB-1714=P3	B	108.6/52.9
L91	6130003000	S.COI #617DB-1714=P3	B	109.7/48
R1	7030006070	S.RES ERJ12YJ101U (100)	B	105.4/74.2
R2	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	92.8/88.1
R3	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)	B	88.4/88.1
R9	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	130.1/61.9
R11	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	123.4/62.2
R12	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	126.4/62.2
R13	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	118.3/62.1
R14	7030003770	S.RES ERJ3GEYJ 564 V (560K)	B	115.5/62.1
R15	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	123.3/65.7

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R17	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	118.6/66.5
R18	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	112.3/62.1
R19	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	108.9/62.1
R20	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	107.2/62.1
R25	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	103.9/50.9
R30	7030003590	S.RES ERJ3GEYJ 183 V (18K)	B	120.4/41
R31	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	125.1/37.9
R34	7030003470	S.RES ERJ3GEYJ 182 V (1.8K)	B	133.3/19.2
R35	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	132.5/16.8
R36	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	131.9/14.5
R37	7030003650	S.RES ERJ3GEYJ 563 V (56K)	B	129/15.6
R38	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	129/11.8
R40	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	122.7/11.7
R41	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	121.9/9.6
R42	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	118.6/10.1
R43	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)	B	115.9/14.3
R45	7030003650	S.RES ERJ3GEYJ 563 V (56K)	B	115.7/8.7
R46	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	115.7/4.5
R48	7030003650	S.RES ERJ3GEYJ 563 V (56K)	B	110.7/12.7
R49	7030003750	S.RES ERJ3GEYJ 394 V (390K)	B	112.9/14.3
R50	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	111.3/21.6
R59	7310004660	S.TRI EVM-2WSX80 B54 (503)	T	81.2/57.9
R61	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [GEN]	B	68.1/42.1
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [GEN-1]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [USA]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [USA-1]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [AUS]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [CHN]		
	7030003460	S.RES ERJ3GEYJ 152 V (1.5K) [EUR]		
	7030003460	S.RES ERJ3GEYJ 152 V (1.5K) [EUR-1]		
R62	7030003440	S.RES ERJ3GEYJ 102 V (1K) [GEN]	B	76.2/25
	7030003440	S.RES ERJ3GEYJ 102 V (1K) [GEN-1]		
	7030003440	S.RES ERJ3GEYJ 102 V (1K) [USA]		
	7030003440	S.RES ERJ3GEYJ 102 V (1K) [USA-1]		
	7030003440	S.RES ERJ3GEYJ 102 V (1K) [AUS]		
	7030003440	S.RES ERJ3GEYJ 102 V (1K) [CHN]		
	7030003500	S.RES ERJ3GEYJ 332 V (3.3K) [EUR]		
	7030003500	S.RES ERJ3GEYJ 332 V (3.3K) [EUR-1]		
R63	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	98/40.5
R64	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	81.9/25.8
R65	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/36.6
R66	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/38.1
R67	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	99.5/38.1
R68	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [GEN]	B	96.3/35.1
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [GEN-1]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [USA]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [USA-1]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [AUS]		
	7030003480	S.RES ERJ3GEYJ 222 V (2.2K) [CHN]		
	7030003500	S.RES ERJ3GEYJ 332 V (3.3K) [EUR]		
	7030003500	S.RES ERJ3GEYJ 332 V (3.3K) [EUR-1]		
R69	7030003700	S.RES ERJ3GEYJ 154 V (150K)	B	99.5/35.1
R70	7030003400	S.RES ERJ3GEYJ 471 V (47)	B	96.3/33
R71	7030003280	S.RES ERJ3GEYJ 470 V (470)	B	96.3/28.4
R72	7030003660	S.RES ERJ3GEYJ 683 V (68K)	B	93.4/39.6
R73	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	93.4/45.5
R74	7030003630	S.RES ERJ3GEYJ 393 V (39K)	B	99.5/42.5
R75	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	96.3/44.1
R76	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	96.4/52.7
R77	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	96.3/60.2
R78	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	97.1/54.8
R79	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	97.4/58.3
R80	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	95.5/56.2
R85	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	93.1/60.5
R86	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	90.8/61.5
R87	7030003330	S.RES ERJ3GEYJ 121 V (120)	B	92.1/58.4
R95	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	87.2/65.1
R99	7030003270	S.RES ERJ3GEYJ 390 V (39)	T	75/68.2
R101	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN]	T	86.2/67.1
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-1]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [USA]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [USA-1]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [AUS]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [CHN]		
	7030003510	S.RES ERJ3GEYJ 392 V (3.9K) [EUR]		
	7030003510	S.RES ERJ3GEYJ 392 V (3.9K) [EUR-1]		
R108	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	106.4/13.5
R110	7310004530	S.TRI EVM-2WSX80 B14 (103)	T	98.5/17.8
R111	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	99.6/28.2
R112	7030003270	S.RES ERJ3GEYJ 390 V (39)	B	107.1/28.3
R113	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	104.2/28.3
R114	7510001571	S.THE NTCG16 4LH 104JT	T	105/26
R115	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	108.7/24.1
R116	7030003770	S.RES ERJ3GEYJ 564 V (560K)	T	111.3/17.3
R117	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	96.3/25.2
R118	7030003690	S.RES ERJ3GEYJ 124 V (120K)	T	112.1/20.7
R119	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	112.1/23.6
R120	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	107.3/20.7
R121	7310004610	S.TRI EVM-2WSX80 B15 (104)	T	28.1/29.3
R122	7030003630	S.RES ERJ3GEYJ 393 V (39K)	T	112.7/14.3
R123	7030003630	S.RES ERJ3GEYJ 393 V (39K)	T	112.7/9.3
R124	7030003630	S.RES ERJ3GEYJ 393 V (39K)	T	110.6/6.5
R126	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	74.8/17.8
R127	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	70.1/17.5
R128	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	65.3/18.9
R131	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	53/37.6
R132	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	49.8/35.6

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R148	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	87.6/84.2
R149	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	84.3/79
R150	7310004530	S.TRI EVM-2WSX80 B14 (103)	T	85.3/78.9
R151	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)	B	84.6/82.7
R152	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	89.8/85
R153	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	85.4/86.5
R174	7030003650	S.RES ERJ3GEYJ 563 V (56K)	B	122.7/14.3
R181	7030003700	S.RES ERJ3GEYJ 154 V (150K)	T	56.4/36.5
R182	7030003760	S.RES ERJ3GEYJ 474 V (470K)	B	106.3/34.8
R183	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	104.4/34.9
R184	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	104.9/40.8
R186	7030003700	S.RES ERJ3GEYJ 154 V (150K)	B	56.1/35.6
R187	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	57.5/35.6
R188	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	105/24.7
R192	7030003660	S.RES ERJ3GEYJ 683 V (68K)	T	89.9/45
R193	7030003400	S.RES ERJ3GEYJ 471 V (47K)	T	89.2/37.2
R194	7030003490	S.RES ERJ3GEYJ 272 V (2.7K)	T	86.2/48.8
R208	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	8.9/72.5
R209	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	8.9/69.7
R211	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	16.8/54.7
R212	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	16.8/56.1
R218	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	82.3/29.5
R219	7030000210	S.RES MCR10EZJH 39 (390)	T	47.2/106.4
R220	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)	T	46.8/102.3
R221	7030000490	S.RES MCR10EZJH 8.2K (822)	B	47.8/101.6
R223	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	103.9/6.6
R224	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	103.9/3.9
R225	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	103.9/5.2
R226	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	100.5/7.9
R228	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	129.2/51
R229	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	115.7/47.7
R230	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [USA]	B	122.4/51.1
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [USA-1]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [EUR]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [EUR-1]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [USA]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [USA-1]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [EUR]		
	7030003520	S.RES ERJ3GEYJ 472 V (4.7K) [EUR-1]		
R232	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	123.1/48.6
R233	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	118/49.6
R234	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	70.8/21.9
R235	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	65.8/23.6
R236	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	63.1/23.6
R237	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	63.8/25.7
R238	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	65.1/27.3
R239	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	63.4/33.1
R240	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	61.3/33.4
R241	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	55.9/31.8
R242	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	56.8/29.6
R243	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	96.8/29.5
R251	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	98/44.7
R256	7030003490	S.RES ERJ3GEYJ 272 V (2.7K)	T	85.5/41.8
R267	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	29.8/54.6
R273	7030003760	S.RES ERJ3GEYJ 474 V (470K)	B	29.2/71.8
R280	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	26.1/28.6
R281	7030003750	S.RES ERJ3GEYJ 394 V (390K)	T	113.4/16.5
R288	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	114.6/40.2
R289	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	128.2/61.9
R295	7030003350	S.RES ERJ3GEYJ 181 V (180)	B	129/75.4
R297	7030003800	S.RES ERJ3GEYJ 105 V (1M)	T	127.4/74.3
R301	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	49.3/29.7
R321	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	27/71.3
R322	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	B	44.4/77.3
R323	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	14.9/87.1
R325	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	18/83.7
R327	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	107.6/43.4
R328	7030003650	S.RES ERJ3GEYJ 563 V (56K)	T	118/16.8
R329	7030003690	S.RES ERJ3GEYJ 124 V (120K)	T	119.3/10.7
R330	7510001000	S.THE TPBS1R154K475H5Q	T	118/10.7
R331	7030003720	S.RES ERJ3GEYJ 224 V (220K)	T	116.7/12.3
R332	7030003690	S.RES ERJ3GEYJ 124 V (120K)	T	118/13.9
R333	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	122.1/12.1
R334	7030003770	S.RES ERJ3GEYJ 564 V (560K)	T	124.9/12.1
R336	7310004590	S.TRI EVM-2WSX80 B13 (102)	T	31.8/98.6
R338	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	101.2/14.1
R340	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	29.3/88.7
R342	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	48.8/26
R355	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	125/16.8
R356	7030003660	S.RES ERJ3GEYJ 683 V (68K)	T	114.2/19.5
R357	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	66/42.1
R358	7030003670	S.RES ERJ3GEYJ 823 V (82K)	B	75.9/56.6
R359	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	64.5/48.1
R361	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	25.8/67.8
R362	7030003450	S.RES ERJ3GEYJ 122 V (1.2K)	B	57.9/44.7
R363	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	59.7/24.5
R364	7030003810	S.RES ERJ3GEYJ 125 V (1.2M)	T	61.1/29.7
R365	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	56.2/29.7
R366	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	56.2/26.8
R367	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	62.4/29.7
R368	7030003590	S.RES ERJ3GEYJ 183 V (18K)	B	124.3/39.2
R369	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	120.2/42.3
R370	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	130.4/10.4
R371	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	122.3/13
R372	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	116.1/27.5
R373	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	114/29.6

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
R374	7030003680	S.RES	ERJ3GEYJ 104 V (100K)	T	112.3/31.5
R375	7030003530	S.RES	ERJ3GEYJ 562 V (5.6K)	T	113.2/27.5
R376	7030003770	S.RES	ERJ3GEYJ 564 V (560K)	T	105.8/28.7
R377	7030003240	S.RES	ERJ3GEYJ 220 V (22)	B	119.4/64.4
R379	7030003680	S.RES	ERJ3GEYJ 104 V (100K)	T	58.3/35.7
R380	7030006060	S.RES	ERJ12YJ100U (10)	B	38/81.7
R383	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	15.7/89.3
R386	7030003700	S.RES	ERJ3GEYJ 154 V (150K)	T	16.6/45.3
R387	7030003700	S.RES	ERJ3GEYJ 154 V (150K)	T	20.7/44.6
R388	7030003520	S.RES	ERJ3GEYJ 472 V (4.7K)	B	17.5/50.3
R389	7030003490	S.RES	ERJ3GEYJ 272 V (2.7K)	B	18.5/41.2
R390	7030003410	S.RES	ERJ3GEYJ 561 V (560)	B	18.9/54.1
R391	7030003400	S.RES	ERJ3GEYJ 471 V (470)	B	16.8/51.9
R392	7310004670	S.TRI	EVM-2WSX80 B55 (504)	T	12.2/28
R393	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	T	6.9/17.1
R394	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	T	5.8/20.1
R395	7030003650	S.RES	ERJ3GEYJ 563 V (56K)	T	6.6/31.5
R396	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	5.8/30.2
R397	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	8.5/30.2
R398	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	T	3.9/45.5
R399	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	T	5.2/45.5
R400	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	T	8.2/48
R401	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	T	3.7/48.1
R403	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	B	15.8/21
R404	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	B	18.9/20.2
R405	7030003650	S.RES	ERJ3GEYJ 563 V (56K)	B	23.8/14.8
R406	7030003470	S.RES	ERJ3GEYJ 182 V (1.8K)	B	22.9/10.6
R407	7030003700	S.RES	ERJ3GEYJ 154 V (150K)	T	13/24.5
R408	7030003700	S.RES	ERJ3GEYJ 154 V (150K)	T	14.9/25.2
R409	7030004890	S.RES	ERJ3GEYF 434 V (430K)	T	16.3/27.9
R410	7030004860	S.RES	ERJ3GEYF 184 V (180K)	T	14.8/27.9
R411	7030005260	S.RES	ERJ3GEYF 394 V (390K)	T	13/25.8
R412	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	5/16.7
R413	7030003550	S.RES	ERJ3GEYJ 822 V (8.2K)	T	6.4/14.6
R414	7030003550	S.RES	ERJ3GEYJ 822 V (8.2K)	T	8/15.9
R415	7030003410	S.RES	ERJ3GEYJ 561 V (560)	B	99.5/41
R417	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	B	39.3/109.1
R418	7030003760	S.RES	ERJ3GEYJ 474 V (470K)	B	29/113
R419	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	29/111.7
R420	7030003480	S.RES	ERJ3GEYJ 222 V (2.2K)	B	39.6/112.4
R422	7030003800	S.RES	ERJ3GEYJ 105 V (1M)	B	9.8/26.5
R423	7030003320	S.RES	ERJ3GEYJ 101 V (100)	B	85/76.2
R424	7030003680	S.RES	ERJ3GEYJ 104 V (100K)	B	89.3/79
R425	7030003600	S.RES	ERJ3GEYJ 223 V (22K)	B	88.6/76.3
R426	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	90.8/75.5
R427	7030003620	S.RES	ERJ3GEYJ 333 V (33K)	T	88.7/74.6
R428	7030003380	S.RES	ERJ3GEYJ 331 V (330)	T	87.9/70.4
R429	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	85.4/71.8
R430	7030003570	S.RES	ERJ3GEYJ 123 V (12K)	T	91.6/70.5
R431	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[GEN]	75.8/64.8
	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[GEN-1]	
	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[USA]	
	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[USA-1]	
	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[AUS]	
	7030003540	S.RES	ERJ3GEYJ 682 V (6.8K)	[CHN]	
	7030003490	S.RES	ERJ3GEYJ 272 V (2.7K)	[EUR]	
	7030003490	S.RES	ERJ3GEYJ 272 V (2.7K)	[EUR-1]	
R432	7030003650	S.RES	ERJ3GEYJ 563 V (56K)	B	6.9/27.9
R433	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	37.6/97.5
R434	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	36.1/102.8
R435	7030000410	S.RES	MCR10EZJH 1.8K (182)	T	70.5/68.1
R436	7030003620	S.RES	ERJ3GEYJ 333 V (33K)	B	89.3/30.5
R437	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	120.6/39.7
R438	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[USA]	128.9/53.9
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[USA-1]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[EUR]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[EUR-1]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[USA]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[USA-1]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[EUR]	
	7030003400	S.RES	ERJ3GEYJ 471 V (470)	[EUR-1]	
R439	7030003400	S.RES	ERJ3GEYJ 471 V (470)	B	116.5/53.9
	7030003400	S.RES	ERJ3GEYJ 471 V (470)		
	7030003400	S.RES	ERJ3GEYJ 471 V (470)		
	7030003400	S.RES	ERJ3GEYJ 471 V (470)		
	7030003400	S.RES	ERJ3GEYJ 471 V (470)		
	7030003400	S.RES	ERJ3GEYJ 471 V (470)		
R440	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	31.3/102.8
R441	7030003500	S.RES	ERJ3GEYJ 332 V (3.3K)	B	37.8/107.8
R442	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	6.7/12.3
R443	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	10.3/15.8
R444	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	31.1/93.5
R445	7030003430	S.RES	ERJ3GEYJ 821 V (820)	B	9.5/83.6
R446	7030003550	S.RES	ERJ3GEYJ 822 V (8.2K)	B	9.5/79.4
R447	7030003450	S.RES	ERJ3GEYJ 122 V (1.2K)	T	128.9/48.1
R448	7030003420	S.RES	ERJ3GEYJ 681 V (680)	B	117/47.5
R450	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	83.6/50.3
R451	7030004040	S.RES	ERJ3GEYJ 4R7 V (4.7)	T	80.5/49
R452	7030003530	S.RES	ERJ3GEYJ 562 V (5.6K)	T	80/47.1
R453	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	T	80.6/43.9
R454	7030003520	S.RES	ERJ3GEYJ 472 V (4.7K)	T	107.9/17.2
R455	7030003450	S.RES	ERJ3GEYJ 122 V (1.2K)	T	107.9/14.4
R456	7030003720	S.RES	ERJ3GEYJ 224 V (220K)	T	105.1/11
R457	7030003700	S.RES	ERJ3GEYJ 154 V (150K)	T	107.9/11.6
R458	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	T	83.5/50.3
R459	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	80.9/39.6
R460	7030004040	S.RES	ERJ3GEYJ 4R7 V (4.7)	T	81.7/37.5
R461	7030003530	S.RES	ERJ3GEYJ 562 V (5.6K)	T	77.2/35.8
R462	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	21.8/12.9
R463	7030003760	S.RES	ERJ3GEYJ 474 V (470K)	B	21.8/111.5
R464	7030003500	S.RES	ERJ3GEYJ 332 V (3.3K)	B	12.3/110.6
R465	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	14.7/100
R466	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	18.2/103.0

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R467	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	43.6/63.7
R468	7030006120	S.RES ERJ1WYJ4R7U (4.7)0	T	50.3/105.4
R469	7030006120	S.RES ERJ1WYJ4R7U (4.7)0	B	51.3/105.4
R470	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	15.8/23.7
R471	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	10.2/10.5
R472	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	19.7/22.3
R473	7030001160	S.RES MCR50JZHJ 180 (181)	T	73.7/101.4
R474	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	72.9/69
R475	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	79.7/30
R476	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	98.1/10
R478	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	106.3/34.1
R479	7510001571	S.THE NTCG16 4LH 104JT	T	104.4/34.9
R484	7030003510	S.RES ERJ3GEYJ 392 V (3.9K)	B	112.2/19.3
R485	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	76.2/23.6
		[EUR]		
		[EUR-1]		
R486	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	46.7/45.4
R487	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	45.8/39.5
R488	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	47.1/36.2
R489	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	46.7/37.6
R490	7030003610	S.RES ERJ3GEYJ 273 V (27K)	B	48.6/44.6
R491	7030003610	S.RES ERJ3GEYJ 273 V (27K)	B	47.2/34.4
R492	7030003610	S.RES ERJ3GEYJ 273 V (27K)	B	48.5/34.4
R493	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	103.8/56.8
R494	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	107/54
R498	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	109.1/49.8
R499	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	106.3/52.1
R500	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	107.6/52.1
R501	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	126.3/46.8
W15	7030003860	S.RES ERJ3GE JPW V	T	22.1/91.8
W25	7030003860	S.RES ERJ3GE JPW V	B	114/32.2
		[GEN]		
	7030003860	S.RES ERJ3GE JPW V	[GEN-1]	
	7030003860	S.RES ERJ3GE JPW V	[AUS]	
	7030003860	S.RES ERJ3GE JPW V	[CHN]	
W28	7030003860	S.RES ERJ3GE JPW V	[GEN]	B 127.5/20.4
	7030003860	S.RES ERJ3GE JPW V	[GEN-1]	
	7030003860	S.RES ERJ3GE JPW V	[AUS]	
	7030003860	S.RES ERJ3GE JPW V	[CHN]	
W29	7030007150	S.RES MCR50JZHJ JPW (000)	[GEN]	T 66.4/28.3
	7030007150	S.RES MCR50JZHJ JPW (000)	[GEN-1]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[USA]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[USA-1]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[AUS]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[CHN]	
W32	7030003860	S.RES ERJ3GE JPW V	T	86.5/74.4
W33	7030003860	S.RES ERJ3GE JPW V	B	6.9/26.5
W34	7030003970	S.RES MCR18EZHZ JPW	T	30.5/28.7
W35	7030007150	S.RES MCR50JZHJ JPW (000)	B	45.1/52.1
W38	7030000010	S.RES MCR10EZHZ JPW (000)	[GEN]	B 78.5/22.9
	7030000010	S.RES MCR10EZHZ JPW (000)	[GEN-1]	
	7030000010	S.RES MCR10EZHZ JPW (000)	[USA]	
	7030000010	S.RES MCR10EZHZ JPW (000)	[USA-1]	
	7030000010	S.RES MCR10EZHZ JPW (000)	[AUS]	
	7030000010	S.RES MCR10EZHZ JPW (000)	[CHN]	
W39	7030003970	S.RES MCR18EZHZ JPW	T	108.1/43.7
W40	7030003970	S.RES MCR18EZHZ JPW	T	115.7/51.3
W41	7030003860	S.RES ERJ3GE JPW V	T	111/57.8
W42	7030003860	S.RES ERJ3GE JPW V	T	116.8/41
W43	7030003860	S.RES ERJ3GE JPW V	B	26.7/37.9
W44	7030003860	S.RES ERJ3GE JPW V	T	23.4/31.4
W47	7030000010	S.RES MCR10EZHZ JPW (000)	B	81.9/27.4
W48	7030003970	S.RES MCR18EZHZ JPW	B	92.9/31.2
W49	7030007150	S.RES MCR50JZHJ JPW (000)	[GEN]	B 67.7/30.4
	7030007150	S.RES MCR50JZHJ JPW (000)	[GEN-1]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[USA]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[USA-1]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[AUS]	
	7030007150	S.RES MCR50JZHJ JPW (000)	[CHN]	
W51	7030003860	S.RES ERJ3GE JPW V	T	104.4/43.6
W52	7030003970	S.RES MCR18EZHZ JPW	[EUR] only	T 32.7/28.7
W53	7030003970	S.RES MCR18EZHZ JPW	[EUR] only	T 34.9/28.7
W54	7030003970	S.RES MCR18EZHZ JPW	[EUR] only	T 37.1/28.7
C1	4030011210	S.CER GRM31M2C2H330JV01L (GRM42-6 CH)	B	116.4/103.5
C2	4030011070	S.CER GRM31M2C2H5R0CY21L (GRM42-6 CH)	B	122.2/99.4
C3	4030011230	S.CER GRM31M2C2H390JV01L (GRM42-6 CH)	B	113.2/95
C4	4030011030	S.CER GRM31M4C2H1R5CY21L (GRM42-6 CK)	B	120.7/94.1
C5	4030011180	S.CER GRM31M2C2H220JV01L (GRM42-6 CH)	B	117.5/90.6
C6	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	B	117.5/87.1
C7	4030011180	S.CER GRM31M2C2H220JV01L (GRM42-6 CH)	B	113.7/78.6
C8	4030007080	S.CER C1608 CH 1H 390J-T	B	118.2/83.3
C9	4030007040	S.CER C1608 CH 1H 180J-T	B	118.4/77.3
C10	4030007090	S.CER C1608 CH 1H 470J-T	T	131.7/77.8
C11	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	T	97.7/90.7

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C12	4030011180	S.CER GRM31M2C2H220JV01L (GRM42-6 CH)	B	97.7/102.6
C13	4030011020	S.CER GRM31M4C2H1R0CY21L (GRM42-6 CK)	B	96.1/96.1
C14	4030011020	S.CER GRM31M4C2H1R0CY21L (GRM42-6 CK)	B	88.5/100.6
C15	4030011180	S.CER GRM31M2C2H220JV01L (GRM42-6 CH)	B	93.3/104.9
C16	4030011120	S.CER GRM31M2C2H100JV01L (GRM42-6 CH)	B	96.1/93.4
C17	4030011120	S.CER GRM31M2C2H100JV01L (GRM42-6 CH)	B	87.1/93.2
C18	4030006860	S.CER C1608 JB 1H 102K-T	B	90.6/87.3
C19	4030006860	S.CER C1608 JB 1H 102K-T	B	94.2/86.6
C20	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	B	90.8/100.6
C22	4030007050	S.CER C1608 CH 1H 220J-T	B	131.7/64.8
C23	4030009560	S.CER C1608 CH 1H R75B-T	B	130.9/66.9
C24	4030006860	S.CER C1608 JB 1H 102K-T	B	124.8/65.7
C25	4030006860	S.CER C1608 JB 1H 102K-T	B	116.9/62.1
C26	4030006860	S.CER C1608 JB 1H 102K-T	B	121.8/65.7
C27	4030006860	S.CER C1608 JB 1H 102K-T	B	119.4/68.6
C28	4030006860	S.CER C1608 JB 1H 102K-T	T	113.2/59.5
C29	4030007060	S.CER C1608 CH 1H 270J-T	B	108.9/65
C30	4030006860	S.CER C1608 JB 1H 102K-T	B	105.6/62.1
C31	4030009500	S.CER C1608 CH 1H 0R5B-T	B	112.3/65
C32	4030007060	S.CER C1608 CH 1H 270J-T	B	105.6/65.6
C33	4030009920	S.CER C1608 CH 1H 050B-T	T	103.8/59.5
C34	4030006860	S.CER C1608 JB 1H 102K-T	B	105/52.9
C37	4030006860	S.CER C1608 JB 1H 102K-T	B	103.8/60.9
C39	4030006900	S.CER C1608 JB 1H 103K-T	B	124.3/40.5
C40	4030006860	S.CER C1608 JB 1H 102K-T	B	120.2/43.6
C41	4030006900	S.CER C1608 JB 1H 103K-T	B	123.4/41.9
C42	4030006900	S.CER C1608 JB 1H 103K-T	B	120.7/34.8
C43	4030006860	S.CER C1608 JB 1H 102K-T	T	122.5/33.3
C44	4030011600	S.CER C1608 JB 1E 104K-T	B	108.2/40.2
C46	4030006900	S.CER C1608 JB 1H 103K-T	B	131.2/18.4
C47	4030011600	S.CER C1608 JB 1E 104K-T	B	131.2/12.3
C48	4030011600	S.CER C1608 JB 1E 104K-T	B	125.8/10.4
C50	4030011600	S.CER C1608 JB 1E 104K-T	B	119.4/12.4
C51	4030006900	S.CER C1608 JB 1H 103K-T	B	115.7/10.9
C52	4030011600	S.CER C1608 JB 1E 104K-T	B	115.7/3
C53	4030006900	S.CER C1608 JB 1H 103K-T	B	112.3/10.2
C54	4030006900	S.CER C1608 JB 1H 103K-T	B	114.9/19.3
C55	4030006900	S.CER C1608 JB 1H 103K-T	B	110.6/19.3
C56	4550007390	S.TAN F931C225MAABMA	T	121.1/15.3
C58	4510008550	S.ELE EEE1HA010SR	T	115.2/23.3
C59	4550000530	S.TAN TEESVA 1V 104M8R	T	70.4/41.8
C60	4550007670	S.TAN F931C105MAABMA	[GEN]	B 77/27.1
	4550007670	S.TAN F931C105MAABMA	[GEN-1]	
	4550007670	S.TAN F931C105MAABMA	[USA]	
	4550007670	S.TAN F931C105MAABMA	[USA-1]	
	4550007670	S.TAN F931C105MAABMA	[AUS]	
	4550007670	S.TAN F931C105MAABMA	[CHN]	
	4550007610	S.TAN F931E474MAABMA	[EUR]	
	4550007610	S.TAN F931E474MAABMA	[EUR-1]	
C61	4030006860	S.CER C1608 JB 1H 102K-T	B	77.4/56.6
C62	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/1.7
C63	4030006860	S.CER C1608 JB 1H 102K-T	B	81.9/24.2
C68	4030006860	S.CER C1608 JB 1H 102K-T	B	99.5/36.6
C69	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/31.5
C70	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/30
C71	4030006860	S.CER C1608 JB 1H 102K-T	B	99.6/29.5
C72	4030009990	S.CER C1608 CH 1H 200J-T	B	93.4/38.1
C73	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/44.1
C74	4030007040	S.CER C1608 CH 1H 180J-T	B	99.5/39.6
C75	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/37.2
C77	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/45.5
C78	4030009990	S.CER C1608 CH 1H 200J-T	B	99.5/50.1
C82	4030006860	S.CER C1608 JB 1H 102K-T	B	94.7/58.3
C85	4030006860	S.CER C1608 JB 1H 102K-T	B	93.1/62.1
C87	4030007030	S.CER C1608 CH 1H 150J-T	B	88/58.2
C91	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/60.5
C92	4030006860	S.CER C1608 JB 1H 102K-T	B	88.9/62.4
C95	4030007060	S.CER C1608 CH 1H 270J-T	B	86.4/58.2
C96	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/66.6
C97	4030006860	S.CER C1608 JB 1H 102K-T	B	80.2/59.8
C98	4030007030	S.CER C1608 CH 1H 150J-T	T	81.1/68.2
C99	4030006860	S.CER C1608 JB 1H 102K-T	T	75.8/66.1
C100	4030006860	S.CER C1608 JB 1H 102K-T	T	53.7/71.3
C101	4030007070	S.CER C1608 CH 1H 330J-T	T	79.6/69.8
C102	4030007050	S.CER C1608 CH 1H 220J-T	T	63/74.6
C103	4030007100	S.CER C1608 CH 1H 560J-T	T	54.4/80.6
C110	4030012600	S.CER C2012 JB 1A 105M-T	B	106.4/11.9
C112	4550006220	S.TAN TEESVA 0J 156M8R	B	109.4/26.5
C113	4510008540	S.ELE EEE1CA100SR	T	101.3/21.9
C114	4550007610	S.TAN F931E474MAABMA	B	96.3/21.4
C115	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/26.7
C116	4030006900	S.CER C1608 JB 1H 103K-T	T	107.9/26
C117	4030009970	S.CER C1608 JB 1H 182K-T	T	113.4/11.9
C118	4030009630	S.CER C1608 JB 1H 822K-T	T	110.6/8.5
C119	4030007130	S.CER C1608 CH 1H 101J-T	T	108.5/5.7
C120	4030012610	S.CER C2012 JB 1C 474K-T	B	6.8/21.4
C121	4030006900	S.CER C1608 JB 1H 103K-T	T	103.5/5.7
C122	4030006860	S.CER C1608 JB 1H 102K-T	T	98/38.7
C123	4550006220	S.TAN TEESVA 0J 156M8R	T	100.6/39.8
C124	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/44.7

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C126	4030011600	S.CER C1608 JB 1E 104K-T	B	51.2/37
C127	4030006900	S.CER C1608 JB 1H 103K-T	B	56.5/44.8
C128	4030011600	S.CER C1608 JB 1E 104K-T	B	42.3/66.8
C129	4510007980	S.ELE 16SPV22M-AIC	T	80.4/16.5
C130	4030006860	S.CER C1608 JB 1H 102K-T	T	83.8/1.7
C131	4030006860	S.CER C1608 JB 1H 102K-T	B	72.8/18.6
C132	4550007360	S.TAN F931A226MBABMA	T	73.4/15.3
C133	4550007610	S.TAN F931E474MAABMA	T	65.3/15.6
C134	4550007360	S.TAN F931A226MBABMA	T	60.5/20
C135	4030006860	S.CER C1608 JB 1H 102K-T	T	61.3/16.3
C138	4510008540	S.ELE EEE1CA100SR	T	98.7/76.7
C139	4030006860	S.CER C1608 JB 1H 102K-T	B	85.4/85
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	86.8/81.9
C141	4030006860	S.CER C1608 JB 1H 102K-T	T	82.3/73.6
C148	4030006860	S.CER C1608 JB 1H 102K-T	B	108.8/77.3
C153	4030012600	S.CER C2012 JB 1A 105M-T	T	59.9/34.2
C154	4030007050	S.CER C1608 CH 1H 220J-T	B	125.8/15.6
C156	4030011600	S.CER C1608 JB 1E 104K-T	B	111.2/44.3
C164	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/76.5
C165	4030011770	S.CER C1608 CH 1H 060B-T	T	130.9/73.8
C167	4030006860	S.CER C1608 JB 1H 102K-T	B	72.4/59.7
C168	4510008750	S.ELE EEE1HA0R1SR	T	74.9/57.3
C170	4030012600	S.CER C2012 JB 1A 105M-T	T	105.3/45.8
C175	4550007260	S.TAN F931C475MAABMA	B	115.4/66.4
C177	4550007270	S.TAN F931A475MAABMA	B	57.2/39.9
C188	4030007070	S.CER C1608 CH 1H 330J-T	T	90.7/37.2
C189	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/42.7
C190	4030009500	S.CER C1608 CH 1H 0R5B-T	T	87/46.5
C192	4030007010	S.CER C1608 CH 1H 100D-T	T	80.6/45.2
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-1]	
	4030007010	S.CER C1608 CH 1H 100D-T	[USA]	
	4030007010	S.CER C1608 CH 1H 100D-T	[USA-1]	
	4030007010	S.CER C1608 CH 1H 100D-T	[AUS]	
	4030007010	S.CER C1608 CH 1H 100D-T	[CHN]	
	4030007030	S.CER C1608 CH 1H 150J-T	[EUR]	
	4030007030	S.CER C1608 CH 1H 150J-T	[EUR-1]	
C193	4030006860	S.CER C1608 JB 1H 102K-T	T	87.7/48.8
C195	4030007050	S.CER C1608 CH 1H 220J-T	T	78.3/48.4
	4030007050	S.CER C1608 CH 1H 220J-T	[GEN]	
	4030007050	S.CER C1608 CH 1H 220J-T	[GEN-1]	
	4030007050	S.CER C1608 CH 1H 220J-T	[USA]	
	4030007050	S.CER C1608 CH 1H 220J-T	[AUS]	
	4030007050	S.CER C1608 CH 1H 220J-T	[CHN]	
	4030009990	S.CER C1608 CH 1H 200J-T	[EUR]	
	4030009990	S.CER C1608 CH 1H 200J-T	[EUR-1]	
C206	4510008510	S.ELE EEE1CA471P	T	10.3/98.5
C208	4030007130	S.CER C1608 CH 1H 101J-T	B	8.9/71.1
C209	4030012610	S.CER C2012 JB 1C 474K-T	B	8.3/68.7
C211	4510007320	ELE 50 YXG 470M		
C212	4510007320	ELE 50 YXG 470M		
C213	4030006860	S.CER C1608 JB 1H 102K-T	B	82.4/29.3
C214	4030006860	S.CER C1608 JB 1H 102K-T	T	99.4/32.2
C217	4030007080	S.CER C1608 CH 1H 390J-T	T	48.5/86.4
C218	4030006860	S.CER C1608 JB 1H 102K-T	B	45.7/104.9
C220	4030006860	S.CER C1608 JB 1H 102K-T	T	74.3/78.6
C224	4030011600	S.CER C1608 JB 1E 104K-T	B	122.5/33.4
C226	4550005980	S.TAN TEESVA 1A 475M8R	T	96.8/33.4
C228	4030006900	S.CER C1608 JB 1H 103K-T	B	121.1/31.9
C229	4030006900	S.CER C1608 JB 1H 103K-T	B	55.7/24
C230	4030006900	S.CER C1608 JB 1H 103K-T	B	123.5/19.3
C231	4030006860	S.CER C1608 JB 1H 102K-T	B	35.2/52.1
C232	4030010210	S.CER C3216 JB 1C 105M-T	B	37/51.7
C233	4030012600	S.CER C2012 JB 1A 105M-T	B	112.2/4.2
C234	4030012600	S.CER C2012 JB 1A 105M-T	B	116.1/12.7
C235	4030006900	S.CER C1608 JB 1H 103K-T	B	126.2/8.3
C241	4030011190	S.CER GRM31M2C2H270JV01L (GRM42-6 CH)	B	82.9/104
C242	4030018330	S.CER ERF22X 6C2H 820J D01L	B	76.8/102
C249	4030006860	S.CER C1608 JB 1H 102K-T	B	45.3/100.6
C250	4030006860	S.CER C1608 JB 1H 102K-T	T	73.3/66.7
C251	4030006860	S.CER C1608 JB 1H 102K-T	B	91.6/67.7
C253	4030006860	S.CER C1608 JB 1H 102K-T	B	103.1/78.6
C255	4030006860	S.CER C1608 JB 1H 102K-T	B	114.4/47.7
C256	4030008880	S.CER C1608 JB 1H 223K-T	B	65.8/24.9
C257	4030009970	S.CER C1608 JB 1H 182K-T	B	60.4/23.6
C258	4030006900	S.CER C1608 JB 1H 103K-T	B	68.7/23.6
C259	4030008860	S.CER C1608 JB 1H 153K-T	B	63.8/28.6
C260	4030006860	S.CER C1608 JB 1H 102K-T	B	65.1/30
C261	4030008880	S.CER C1608 JB 1H 223K-T	B	61.3/34.8
C262	4030011340	S.CER C1608 CH 1H 471J-T	B	58.3/33.4
C263	4030012660	S.CER C1608 JB 1E 683K-T	B	55.2/29.6
C264	4030007120	S.CER C1608 CH 1H 820J-T	B	55.4/26.7
C265	4030011600	S.CER C1608 JB 1E 104K-T	B	54.7/34
C266	4030011600	S.CER C1608 JB 1E 104K-T	T	113.2/18.1
C267	4030011600	S.CER C1608 JB 1E 104K-T	T	111.9/54.7
C268	4030011600	S.CER C1608 JB 1E 104K-T	T	53.4/19.1
C277	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/46.2
C279	4030007000	S.CER C1608 CH 1H 090D-T	T	83.8/36.7
C286	4030009500	S.CER C1608 CH 1H 0R5B-T	T	85.3/39.2
C288	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/40
C289	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/27.9
C290	4030011600	S.CER C1608 JB 1E 104K-T	B	64.5/46.7
C292	4030008920	S.CER C1608 JB 1H 473K-T	B	49.7/61
C293	4030010760	S.CER C1608 CH 1H 331J-T	B	50.6/54.5
C295	4030006860	S.CER C1608 JB 1H 102K-T	T	6.5/45.5
C298	4510008740	S.ELE EEE1HA330P	T	26.1/49.2

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C299	4030006890	S.CER C1608 JF 1H 103Z-T	B	25.3/46.6
C300	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/46
C301	4510008580	S.ELE EEE0JA470SR	T	18.8/49.4
C308	4030006900	S.CER C1608 JB 1H 103K-T	B	91/12.4
C309	4030011600	S.CER C1608 JB 1E 104K-T	B	103.9/7.9
C312	4030006860	S.CER C1608 JB 1H 102K-T	B	28.1/83.8
C313	4030011600	S.CER C1608 JB 1E 104K-T	B	21.2/71.8
C314	4030011600	S.CER C1608 JB 1E 104K-T	B	22.6/71.8
C315	4030006900	S.CER C1608 JB 1H 103K-T	B	104.5/45.6
C316	4030011180	S.CER GRM31M2C2H220JV01L (GRM42-6 CH)	B	89.2/96.8
C317	4030006900	S.CER C1608 JB 1H 103K-T	T	75.9/8
C318	4030006900	S.CER C1608 JB 1H 103K-T	B	123.1/46.8
C319	4030006900	S.CER C1608 JB 1H 103K-T	B	120.7/52.9
	4030006900	S.CER C1608 JB 1H 103K-T	[USA]	
	4030006900	S.CER C1608 JB 1H 103K-T	[USA-1]	
	4030006900	S.CER C1608 JB 1H 103K-T	[EUR]	
	4030006900	S.CER C1608 JB 1H 103K-T	[EUR-1]	
C320	4030006900	S.CER C1608 JB 1H 103K-T	T	112.5/47.2
C321	4030006860	S.CER C1608 JB 1H 102K-T	T	69.8/16.8
C322	4510008690	S.ELE EEE1EA330SP	T	66.4/20.9
C323	4030006860	S.CER C1608 JB 1H 102K-T	B	78.7/31.4
C324	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/35.1
C325	4030011600	S.CER C1608 JB 1E 104K-T	T	57.7/33
C326	4550007390	S.TAN F931C225MAABMA	B	91.4/10.7
C327	4030006900	S.CER C1608 JB 1H 103K-T	B	128.3/9.6
C328	4030006900	S.CER C1608 JB 1H 103K-T	B	123.2/9.6
C329	4030006900	S.CER C1608 JB 1H 103K-T	B	114.1/62.1
C330	4030011110	S.CER GRM31M2C2H9R0DV01L (GRM42-6 CH)	B	123.8/105.8
C331	4030011160	S.CER GRM31M2C2H150JV01L (GRM42-6 CH)	B	119.2/109.5
C332	4030006900	S.CER C1608 JB 1H 103K-T	T	128.9/52.3
	4030006900	S.CER C1608 JB 1H 103K-T	[USA]	
	4030006900	S.CER C1608 JB 1H 103K-T	[USA-1]	
	4030006900	S.CER C1608 JB 1H 103K-T	[EUR]	
	4030006900	S.CER C1608 JB 1H 103K-T	[EUR-1]	
C333	4030006900	S.CER C1608 JB 1H 103K-T	T	128.9/49.5
C337	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/67.4
C338	4030011600	S.CER C1608 JB 1E 104K-T	B	33.9/62.6
C339	4030008470	S.CER C1608 JB 1H 272K-T	B	68.7/24.9
C340	4030011600	S.CER C1608 JB 1E 104K-T	B	63.2/36.1
C341	4030006900	S.CER C1608 JB 1H 103K-T	B	100.5/3.9
C342	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/68.9
C343	4510008500	S.ELE EEE1CA101WP	T	41.6/72.7
C344	4030009500	S.CER C1608 CH 1H 0R5B-T	T	126.4/47.5
C346	4030006960	S.CER C1608 CH 1H 050C-T	T	114.9/56.4
	4030006960	S.CER C1608 CH 1H 050C-T	[USA]	
	4030006960	S.CER C1608 CH 1H 050C-T	[USA-1]	
	4030006960	S.CER C1608 CH 1H 050C-T	[EUR]	
	4030006960	S.CER C1608 CH 1H 050C-T	[EUR-1]	
C347	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/14.3
C348	4030006900	S.CER C1608 JB 1H 103K-T	B	61/52.6
C349	4030008650	S.CER C1608 JB 1H 332K-T	B	48.5/31.8
C353	4030011600	S.CER C1608 JB 1E 104K-T	B	27/69.9
C354	4030011600	S.CER C1608 JB 1E 104K-T	B	44.4/60.6
C358	4030006990	S.CER C1608 CH 1H 080D-T	B	124.9/62.2
C359	4030007050	S.CER C1608 CH 1H 220J-T	B	130.1/64.8
C360	4030006860	S.CER C1608 JB 1H 102K-T	B	133.5/62.2
C361	4030006950	S.CER C1608 CH 1H 040C-T	T	126.4/54.7
	4030006950	S.CER C1608 CH 1H 040C-T	[USA]	
	4030006950	S.CER C1608 CH 1H 040C-T	[USA-1]	
	4030006950	S.CER C1608 CH 1H 040C-T	[EUR]	
	4030006950	S.CER C1608 CH 1H 040C-T	[EUR-1]	
C362	4030006860	S.CER C1608 JB 1H 102K-T	B	122.6/74.5
C366	4030006860	S.CER C1608 JB 1H 102K-T	T	127.6/80.3
C374	4030006860	S.CER C1608 JB 1H 102K-T	B	41.6/72.8
C378	4030006870	S.CER C1608 JB 1H 222K-T	B	27/72.6
C379	4550007270	S.TAN F931A475MAABMA	B	32.5/73.5
C380	4550007670	S.TAN F931C105MAABMA	B	30.8/78.2
C381	4030011600	S.CER C1608 JB 1E 104K-T	B	41.5/77.3
C382	4030006900	S.CER C1608 JB 1H 103K-T	B	14.9/84.3
C383	4550006390	S.TAN TEESVA 1C 335M8R	B	13.9/90.5
C384	4030011600	S.CER C1608 JB 1E 104K-T	B	21.6/78.8
C385	4030008900	S.CER C1608 JB 1H 333K-T	B	51.4/28.9
C387	4510008510	S.ELE EEE1CA471P	T	23.3/73.2
C388	4510008680	S.ELE EEE1EA220SP	T	14.5/89.3
C389	4030006860	S.CER C1608 JB 1H 102K-T	T	1.8/94.8
C390	4030011600	S.CER C1608 JB 1E 104K-T	B	109.1/38.2
C391	4030009500	S.CER C1608 CH 1H 0R5B-T	T	89.9/46.5
C392	4030007020	S.CER C1608 CH 1H 120J-T	T	122.1/59.7
	4030007020	S.CER C1608 CH 1H 120J-T	[USA]	
	4030007020	S.CER C1608 CH 1H 120J-T	[USA-1]	
	4030007020	S.CER C1608 CH 1H 120J-T	[EUR]	
	4030007020	S.CER C1608 CH 1H 120J-T	[EUR-1]	
C395	4030006950	S.CER C1608 CH 1H 040C-T	T	122/43.6
C403	4030012600	S.CER C2012 JB 1A 105M-T	B	96.3/9.3
C404	4030012610	S.CER C2012 JB 1C 474K-T	B	31.1/88.7
C405	4030009520	S.CER C1608 CH 1H 020B-T	B	131.7/68.2
C406	4030006960	S.CER C1608 CH 1H 050C-T	B	128.3/68.2
C407	4030009910	S.CER C1608 CH 1H 040B-T	B	111.5/67.4
C409	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/46.9
C410	4030006860	S.CER C1608 JB 1H 102K-T	B	94.2/85
C413	4550007540	S.TAN F931C155MAABMA	B	47.6/107.6
C415	4030007060	S.CER C1608 CH 1H 270J-T	B	101.7/53.9
C416	4030007030	S.CER C1608 CH 1H 150J-T	B	103.2/53.9
C417	4030006860	S.CER C1608 JB 1H 102K-T	B	76.2/53.8
C418	4030006860	S.CER C1608 JB 1H 102K-T	T	55.2/82.5
C419	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	B	75.8/81.9
C420	4030006900	S.CER C1608 JB 1H 103K-T	T	55.9/23.7
C421	4030007050	S.CER C1608 CH 1H 220J-T	T	112.7/39.4

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C422	4030007070	S.CER C1608 CH 1H 330J-T	T	110/39.4
C423	4030006970	S.CER C1608 CH 1H 060D-T	T	110.8/37.2
C424	4030007100	S.CER C1608 CH 1H 560J-T	T	113.5/34.1
C425	4030006900	S.CER C1608 JB 1H 103K-T	T	113.5/32.8
C426	4030009990	S.CER C1608 CH 1H 200J-T	T	109.4/31.5
C427	4030007080	S.CER C1608 CH 1H 390J-T	T	108.4/28.7
C428	4030006900	S.CER C1608 JB 1H 103K-T	T	107.1/28.7
C429	4030009550	S.CER C1608 CH 1H 2R5B-T	B	82.1/31.8
C430	4030006900	S.CER C1608 JB 1H 103K-T	T	115.3/29.6
C433	4510009280	S.ELE EEE1EA4R7SR	T	129.4/15.4
C434	4030006960	S.CER C1608 CH 1H 050C-T	B	118.5/47.5
C436	4510008540	S.ELE EEE1CA100SR	T	30.3/37.6
C437	4510008540	S.ELE EEE1CA100SR	T	11.1/33.8
C438	4030006900	S.CER C1608 JB 1H 103K-T	T	12.8/36.9
C439	4030007170	S.CER C1608 CH 1H 221J-T	B	15.5/41.2
C441	4510008500	S.ELE EEE1CA101WP	T	12.4/50.8
C442	4030006900	S.CER C1608 JB 1H 103K-T	T	16.7/53.8
C443	4030011600	S.CER C1608 JB 1E 104K-T	B	3/13.6
C444	4030006900	S.CER C1608 JB 1H 103K-T	T	16.6/25.2
C445	4510008500	S.ELE EEE1CA101WP	T	21.4/27.2
C446	4030010760	S.CER C1608 CH 1H 331J-T	T	5.8/18.8
C447	4030012600	S.CER C2012 JB 1A 105M-T	T	8.8/18.7
C448	4510008500	S.ELE EEE1CA101WP	T	10.7/43
C449	4030006900	S.CER C1608 JB 1H 103K-T	T	12.9/38.8
C450	4030010040	S.CER C1608 JB 1H 561K-T [GEN]	B	21/21
	4030010040	S.CER C1608 JB 1H 561K-T [GEN-1]		
	4030010040	S.CER C1608 JB 1H 561K-T [USA]		
	4030010040	S.CER C1608 JB 1H 561K-T [USA-1]		
	4030010040	S.CER C1608 JB 1H 561K-T [AUS]		
	4030010040	S.CER C1608 JB 1H 561K-T [CHN]		
	4030007120	S.CER C1608 CH 1H 820J-T [EUR]		
	4030007120	S.CER C1608 CH 1H 820J-T [EUR-1]		
C452	4510007230	S.ELE 50 YXG 1000M		
C453	4510009060	S.ELE EEE1HA3R3SR	T	31.2/17.5
C454	4550003210	S.TAN TEESVD21D226M12R	T	22.2/9.2
C455	4030006900	S.CER C1608 JB 1H 103K-T	T	17.2/10.2
C456	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	48.8/6.8
C457	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	48.8/3.7
C458	4030006860	S.CER C1608 JB 1H 102K-T	B	44.3/7.9
C459	4030006860	S.CER C1608 JB 1H 102K-T	B	40.9/7.9
C460	4030006860	S.CER C1608 JB 1H 102K-T	B	44.3/5
C461	4030006860	S.CER C1608 JB 1H 102K-T	B	41.2/5
C462	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	54/9.9
C463	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	55.7/6.8
C468	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	57.2/13.5
C472	4030006860	S.CER C1608 JB 1H 102K-T	B	97.9/56.7
C500	4030009650	S.CER C1608 CH 1H 240J-T	T	53.6/82.5
C501	4030007050	S.CER C1608 CH 1H 220J-T	T	48.5/84.8
C502	4030007110	S.CER C1608 CH 1H 680J-T	T	48.5/92.8
C503	4030006980	S.CER C1608 CH 1H 070D-T	T	48.5/91.2
C504	4030007150	S.CER C1608 CH 1H 151J-T	T	49.7/96.4
C505	4510007320	S.ELE 50 YXG 470M		
C506	4510009130	S.ELE EEEHB0J330R	T	80.9/25.2
C507	4030008960	S.CER C2012 JB 1C 104K-T	B	9.3/29
C508	4030010020	S.CER C1608 JB 1H 122K-T	B	125.8/14.3
C509	4030010020	S.CER C1608 JB 1H 122K-T	B	112.3/8.7
C512	4030006860	S.CER C1608 JB 1H 102K-T	B	86.6/74.7
C513	4510008540	S.ELE EEE1CA100SR	T	90.4/78.6
C514	4030006860	S.CER C1608 JB 1H 102K-T	T	91.4/74.6
C515	4030006860	S.CER C1608 JB 1H 102K-T	T	82.3/71.8
C516	4030011600	S.CER C1608 JB 1E 104K-T	T	93.8/72.6
C517	4030006860	S.CER C1608 JB 1H 102K-T	T	91.6/69
C518	4030016990	S.CER GRM32RR11H105KA01L (GRM42-2 R)	B	33.9/107.2
C519	4030017190	S.CER GRM31AR32J471KW01D	T	67/65.9
C520	4030011280	S.CER C1608 CH 1H 271J-T	T	52.9/100.4
C521	4510009280	S.ELE EEE1EA4R7SR [GEN]	T	79.5/64.3
	4510009280	S.ELE EEE1EA4R7SR [GEN-1]		
	4510009280	S.ELE EEE1EA4R7SR [USA]		
	4510009280	S.ELE EEE1EA4R7SR [USA-1]		
	4510009280	S.ELE EEE1EA4R7SR [AUS]		
	4510009280	S.ELE EEE1EA4R7SR [CHN]		
	4510008530	S.ELE EEE1HA2R2SR [EUR]		
	4510009280	S.ELE EEE1EA4R7SR [EUR-1]		
C522	4030007050	S.CER C1608 CH 1H 220J-T	B	56.8/26.7
C523	4030006870	S.CER C1608 JB 1H 222K-T	T	26.9/26.5
C524	4030008550	S.CER C2012 JF 1H 473Z-T	B	24.7/18
C525	4030006860	S.CER C1608 JB 1H 102K-T	T	10.4/20.3
C529	4030008920	S.CER C1608 JB 1H 473K-T	B	8.7/81.5
C530	4030008770	S.CER C1608 JB 1H 562K-T	B	8.7/77.3
C531	4510007390	S.ELE 50 YK 220M		
C533	4030009520	S.CER C1608 CH 1H 020B-T	B	107.6/68.1
C535	4510005520	S.ELE 50 ME 330 HC		
C536	4030011600	S.CER C1608 JB 1E 104K-T	B	11.6/23.2
C537	4030006860	S.CER C1608 JB 1H 102K-T	T	76.4/44.9
C538	4030007140	S.CER C1608 CH 1H 121J-T [GEN]	T	78.9/50.3
	4030007140	S.CER C1608 CH 1H 121J-T [GEN-1]		
	4030007140	S.CER C1608 CH 1H 121J-T [USA]		
	4030007140	S.CER C1608 CH 1H 121J-T [USA-1]		
	4030007140	S.CER C1608 CH 1H 121J-T [AUS]		
	4030007140	S.CER C1608 CH 1H 121J-T [CHN]		

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C538	4030009650	S.CER C1608 CH 1H 240J-T [EUR]		
	4030009650	S.CER C1608 CH 1H 240J-T [EUR-1]		
C539	4030007010	S.CER C1608 CH 1H 100D-T [GEN]	T	81.3/47.1
	4030007010	S.CER C1608 CH 1H 100D-T [GEN-1]		
	4030007010	S.CER C1608 CH 1H 100D-T [USA]		
	4030007010	S.CER C1608 CH 1H 100D-T [USA-1]		
	4030007010	S.CER C1608 CH 1H 100D-T [AUS]		
	4030007010	S.CER C1608 CH 1H 100D-T [CHN]		
	4030007030	S.CER C1608 CH 1H 150J-T [EUR]		
	4030007030	S.CER C1608 CH 1H 150J-T [EUR-1]		
C540	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/46.5
C541	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/18.5
C542	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/15.9
C543	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/12.9
C544	4030007150	S.CER C1608 CH 1H 151J-T	T	74.3/40.7
C545	4030007020	S.CER C1608 CH 1H 120J-T	T	79.3/39.5
C546	4030007000	S.CER C1608 CH 1H 090D-T	T	81.7/36.2
C547	4030009650	S.CER C1608 CH 1H 240J-T	T	79.3/36.6
C548	4030006860	S.CER C1608 JB 1H 102K-T	T	80.7/41.5
C549	4030016990	S.CER GRM32RR11H105KA01L (GRM42-2 R)	B	16.5/106.7
C550	4030006860	S.CER C1608 JB 1H 102K-T	T	14.4/113.5
C551	4030007090	S.CER C1608 CH 1H 470J-T	T	15.9/113.5
C552	4030007030	S.CER C1608 CH 1H 150J-T	T	105.1/59.5
C553	4550007260	S.TAN F931C475MAABMA	B	14.1/22.4
C554	4030017190	S.CER GRM31AR32J471KW01D	T	59.2/112.1
C555	4030009650	S.CER C1608 CH 1H 240J-T	B	95.1/49.5
C556	4030009650	S.CER C1608 CH 1H 240J-T	B	96.4/51.4
C557	4030004750	S.CER C2012 JB 1H 103K-T	B	33.7/58.5
C558	4030006860	S.CER C1608 JB 1H 102K-T	B	93.5/26.4
C559	4030007070	S.CER C1608 CH 1H 330J-T [EUR]	B	33.6/60.1
	4030007070	S.CER C1608 CH 1H 330J-T [EUR-1]		
C560	4030006850	S.CER C1608 JB 1H 471K-T [EUR]	B	27.3/57.9
	4030006850	S.CER C1608 JB 1H 471K-T [EUR-1]		
C561	4030006860	S.CER C1608 JB 1H 102K-T [EUR]	B	26/57.9
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-1]		
C562	4030007070	S.CER C1608 CH 1H 330J-T [EUR]	B	41.2/100.8
	4030007070	S.CER C1608 CH 1H 330J-T [EUR-1]		
C563	4030006850	S.CER C1608 JB 1H 471K-T [EUR]	B	42.2/99.8
	4030006850	S.CER C1608 JB 1H 471K-T [EUR-1]		
C564	4030006860	S.CER C1608 JB 1H 102K-T [EUR]	B	43.2/98.8
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-1]		
C565	4030007070	S.CER C1608 CH 1H 330J-T [EUR]	B	56.4/82.9
	4030007070	S.CER C1608 CH 1H 330J-T [EUR-1]		
C566	4030006850	S.CER C1608 JB 1H 471K-T [EUR]	B	57.8/82.9
	4030006850	S.CER C1608 JB 1H 471K-T [EUR-1]		
C567	4030006860	S.CER C1608 JB 1H 102K-T [EUR]	B	59.2/82.9
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-1]		
C568	4030006850	S.CER C1608 JB 1H 471K-T [EUR]	B	72/82.9
	4030006850	S.CER C1608 JB 1H 471K-T [EUR-1]		
C569	4030004720	S.CER C2012 JB 1H 102K-T [EUR]	B	40.2/97.2
	4030004720	S.CER C2012 JB 1H 102K-T [EUR-1]		
C570	4030004710	S.CER C2012 JB 1H 471K-T [EUR]	B	41.5/95.9
	4030004710	S.CER C2012 JB 1H 471K-T [EUR-1]		
C571	4030005030	S.CER C2012 CH 1H 221J-T [EUR]	B	42.8/94.6
	4030005030	S.CER C2012 CH 1H 221J-T [EUR-1]		
C572	4030007170	S.CER C1608 CH 1H 221J-T [EUR]	T	71.6/77.2
	4030007170	S.CER C1608 CH 1H 221J-T [EUR-1]		
C573	4030007130	S.CER C1608 CH 1H 101J-T [EUR]	T	71.6/78.6
	4030007130	S.CER C1608 CH 1H 101J-T [EUR-1]		
C574	4030007090	S.CER C1608 CH 1H 470J-T [EUR]	T	74.3/77.2
	4030007090	S.CER C1608 CH 1H 470J-T [EUR-1]		
C575	40300117070	S.CER GRM32MR11H474KA01L (GRM42-2 R)	B	27.1/17.2
	4030006860	S.CER C1608 JB 1H 102K-T [EUR]	B	95.3/11.5
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-1]		
C578	4030018910	S.CER C1608 JB 0J 475K-T	B	55.2/42.4
C579	4030006860	S.CER C1608 JB 1H 102K-T	B	54.5/44.6
C580	4510008490	S.ELE EEE1CS100SR	T	53.8/43.8
C581	4030008880	S.CER C1608 JB 1H 223K-T	B	49.3/37.6
C582	4030006900	S.CER C1608 JB 1H 103K-T	T	100/60.3
C583	4030006900	S.CER C1608 JB 1H 103K-T	T	97.6/58.1
C586	4030006900	S.CER C1608 JB 1H 103K-T	B	112.5/51.7
C587	4030006900	S.CER C1608 JB 1H 103K-T	T	107.3/49.2
C712	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	B	26.5/11.3
C713	4030017200	S.CER GRM31BR32J102KY01L (GHM1030 R)	B	40.8/2.7
C714	4030006860	S.CER C1608 JB 1H 102K-T	B	23.2/17.4
J5	6510020511	S.CON FH12-40S-0.5SV(55)		
J6	6510009401	CON B7B-ZR(LF)(SN)		
J7	6450000140	CON HSJ0807-01-010		
T1	5920000751	TRA ST-82(P)FL		
W1	8900016080	CAB OPC-905A		
W2	7120000470	JUM ERDS2T0		
W3	7120000470	JUM ERDS2T0		
W4	7120000470	JUM ERDS2T0		
EP2	6910013270	BEA 2643-625002		
EP3	9040901901	TUB 0.7 L=12MM		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

Oct. 2008

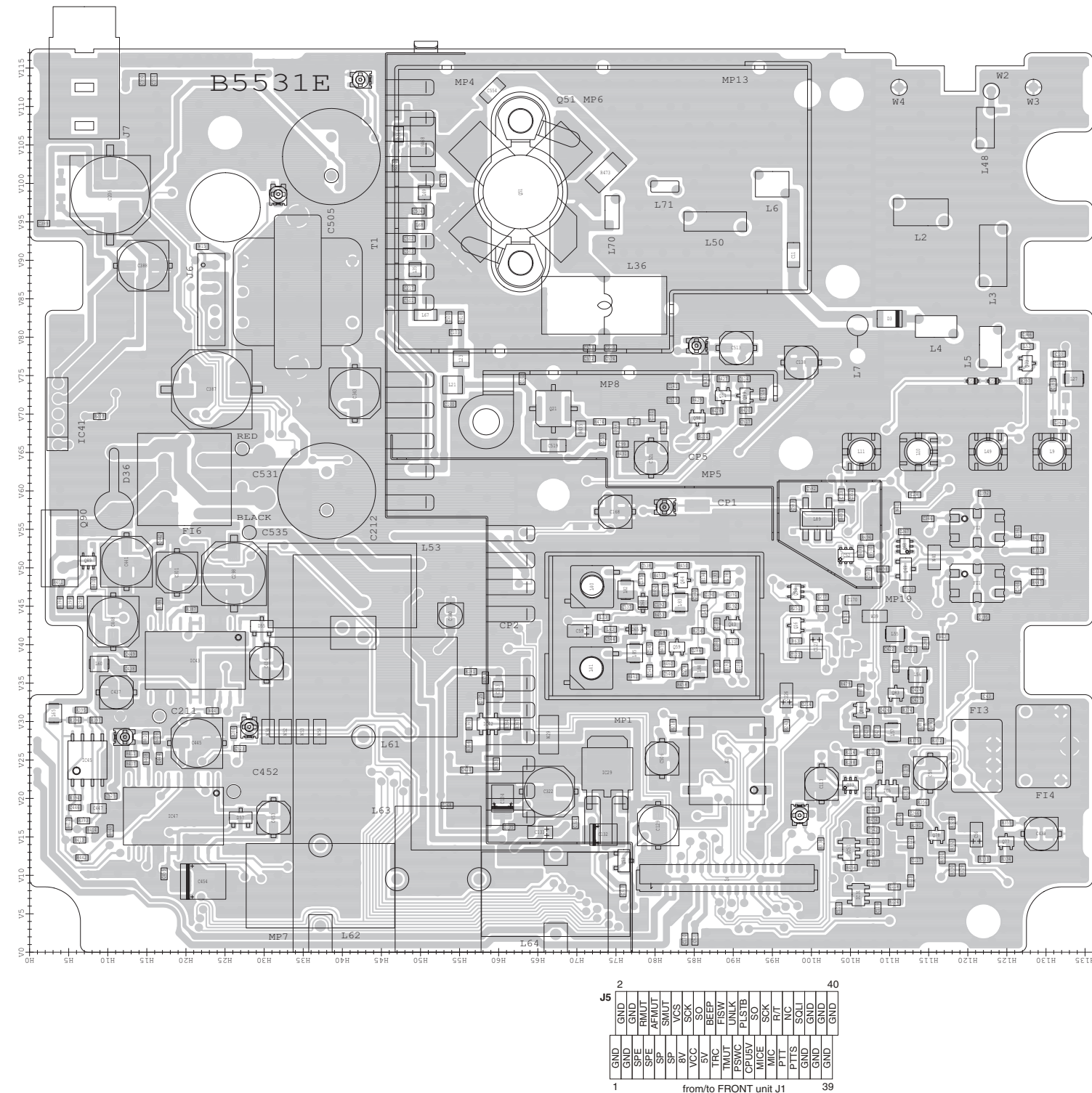
[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
EP4	9040901901	TUB	0.7 L=12MM		
EP5	6910010220	BEA	HF70BB3.5X5X1.3 [EUR]		
	6910010220	BEA	HF70BB3.5X5X1.3 [EUR-1]		
EP6	9025608001	TUB	1 L=7MM		

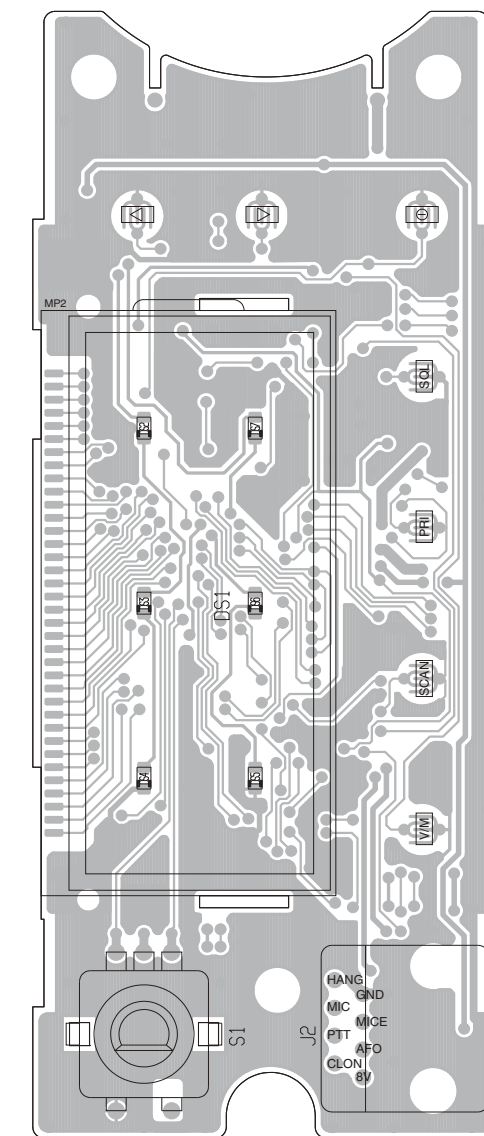
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

The combination of this side and the bottom side shows the unit layout in the same configuration as the actual P.C. Board.

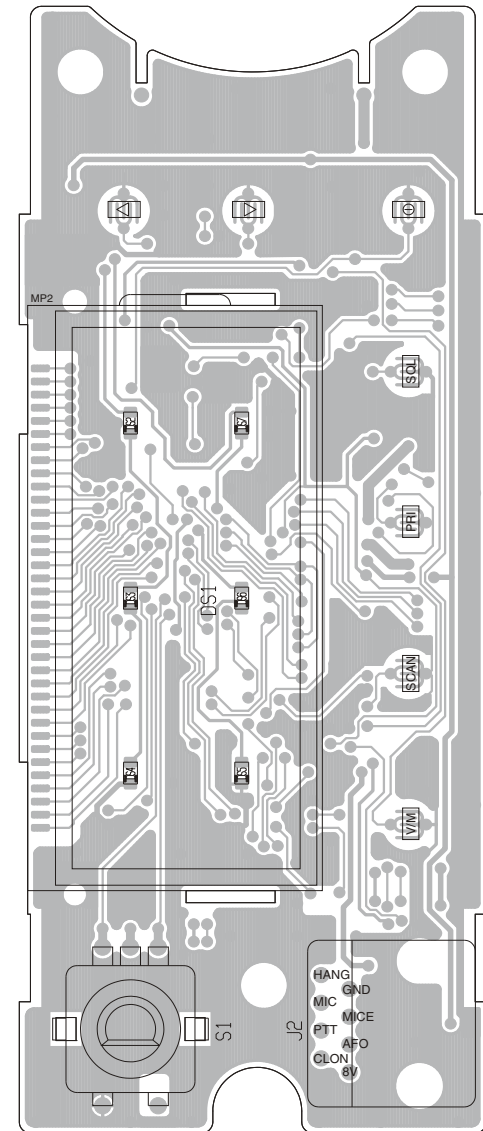
• **MAIN UNIT (A110/A110EURO)**
(TOP VIEW)



• **FRONT UNIT (A110)**
(TOP VIEW)

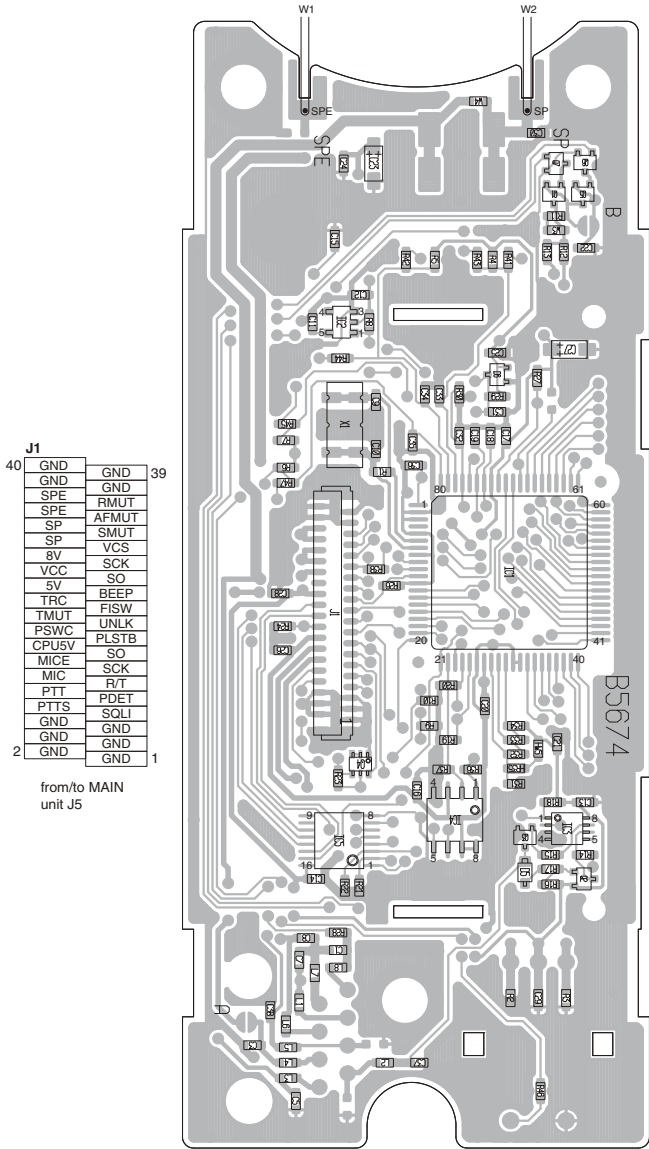


• FRONT UNIT (A110EURO)
(TOP VIEW)

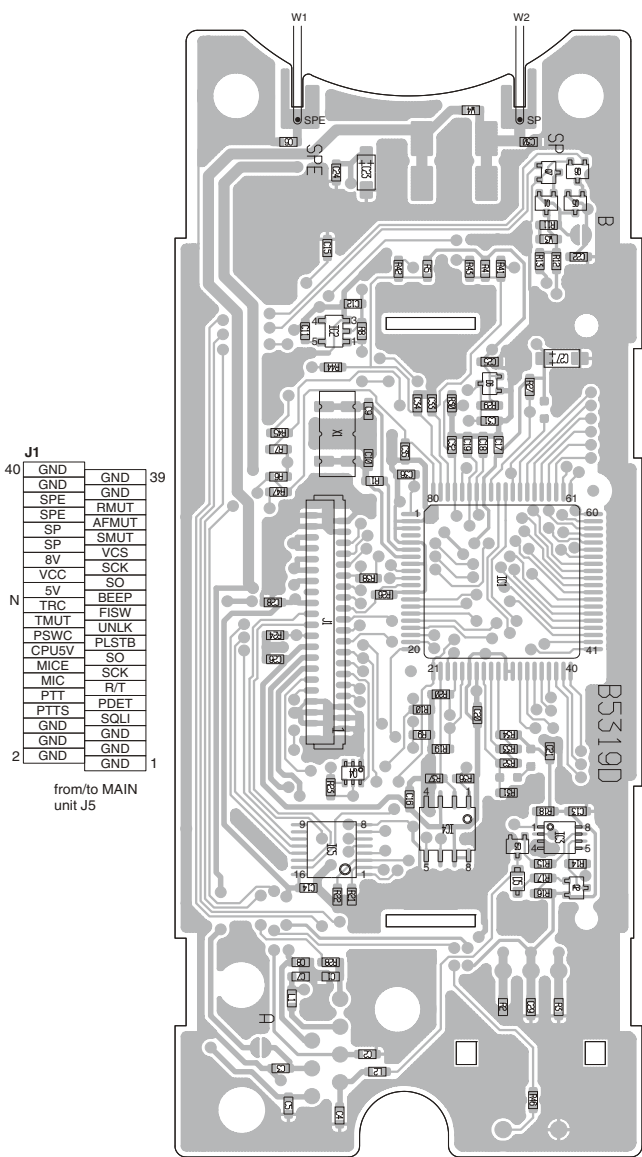


The combination of this side and the bottom side shows the unit layout in the same configuration as the actual P.C. Board.

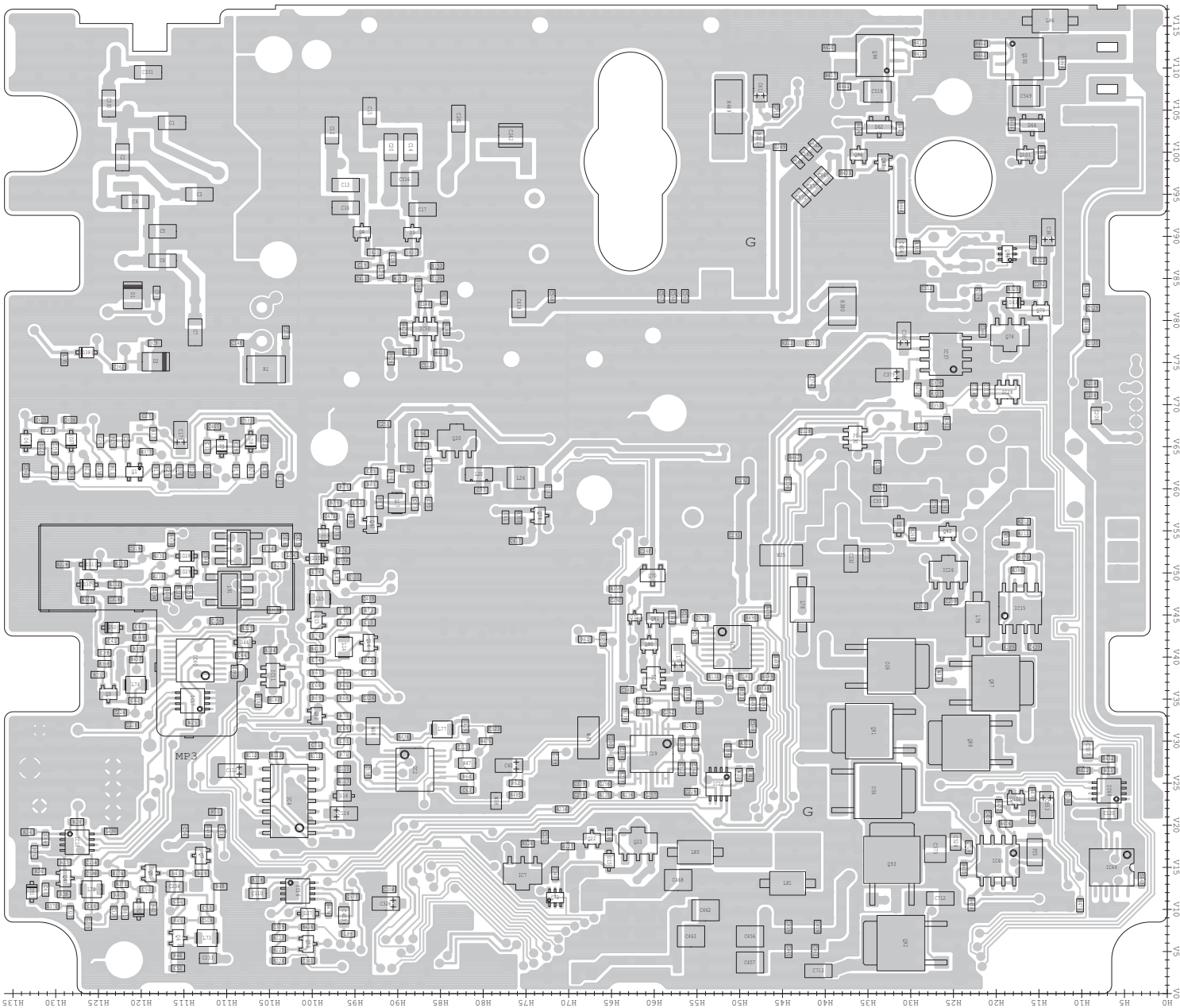
• FRONT UNIT (A110EURO)
(BOTTOM VIEW)



• FRONT UNIT (A110)
(BOTTOM VIEW)

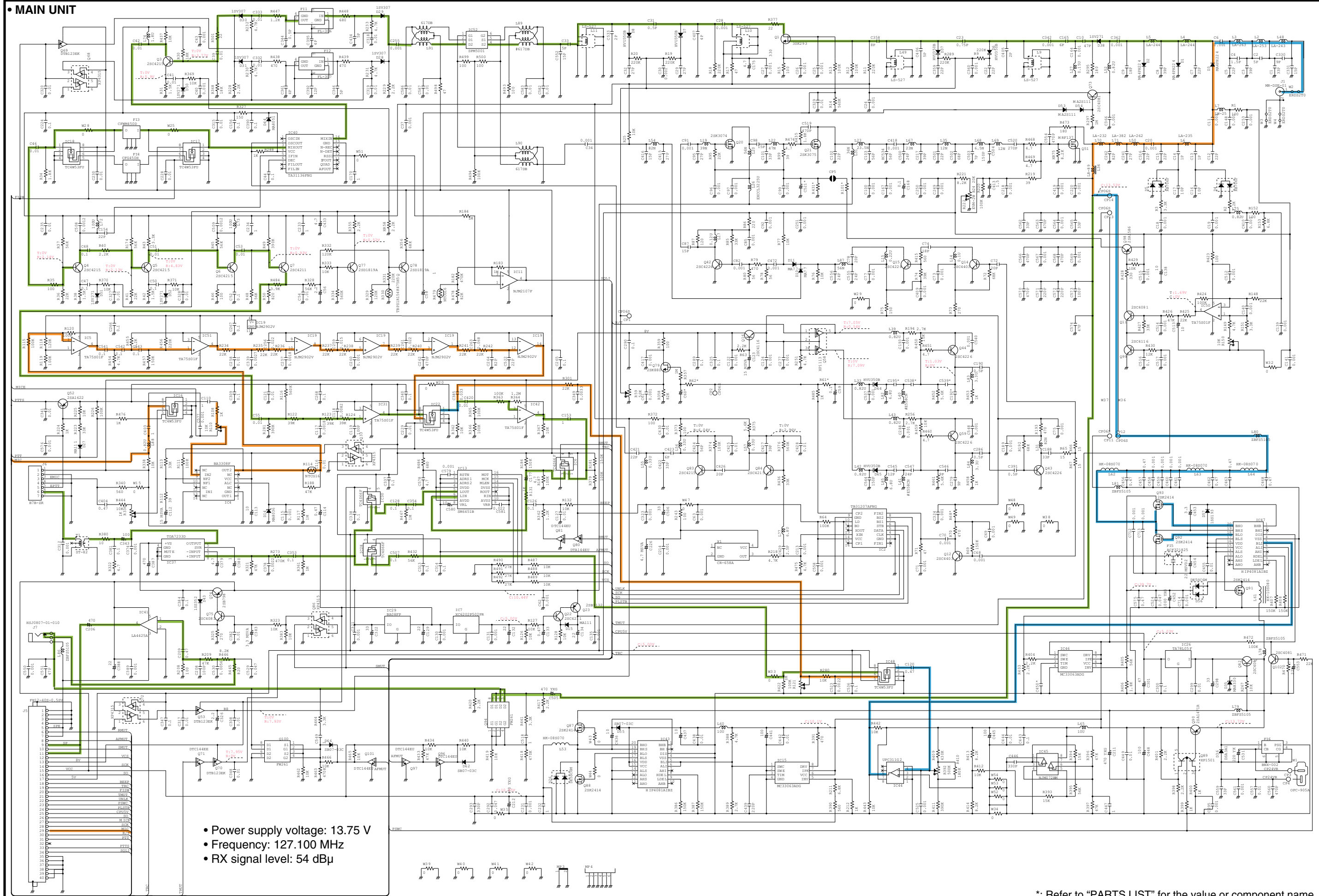


• MAIN UNIT (A110/A110EURO)
(BOTTOM VIEW)



VOLTAGE DIAGRAM

• MAIN UNIT



Jun. 2008



SERVICE MANUAL ADDENDUM

IC-A110 IC-A110EURO

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PARTS LIST

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION
IC1	1140008780	S.IC HD6433823A19D except[A110EURO]
IC1	1140009830	S.IC HD6433823A80D [A110EURO]
IC2	1110005771	S.IC S-80942CNMC-G9CT2G
IC3	1130007111	S.IC TC7W04FU
IC4	1130011321	S.IC CAT25C16VI-TE13
IC5	1130007570	S.IC BU4094BCFV-E2
Q1	1590000440	S.TR DTA143ZUA T106
Q2	1510000881	S.TR 2SA1622-6-TL-E
Q3	1530003281	S.TR 2SC4211-6-TL-E
Q4	1590001980	S.TR XP4315 (TX)
Q5	1590000440	S.TR DTA143ZUA T106
Q6	1590000680	S.TR DTC114EUA T106
Q7	1590000680	S.TR DTC114EUA T106
D5	1790001280	S.DIO MA111 (TX)
D6	1750000130	S.DIO DA204U T106
X1	6060000770	S.CER EFOP3684E5
L1	6200003960	S.COL MLF1608A 1R0K-T except [A110EURO]
L2	6200003540	S.COL MLF1608D R22K-T except [A110EURO]
R1	7030003800	S.RES ERJ3GEYJ 105 V (1 M)
R2	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R3	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R4	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R5	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R6	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R7	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R8	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R10	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R11	7030003370	S.RES ERJ3GEYJ 271 V (270)
R12	7030003350	S.RES ERJ3GEYJ 181 V (180)
R13	7030003350	S.RES ERJ3GEYJ 181 V (180)
R14	7030003640	S.RES ERJ3GEYJ 473 V (47 k)
R15	7030003590	S.RES ERJ3GEYJ 183 V (18 k)
R16	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)
R17	7030003620	S.RES ERJ3GEYJ 333 V (33 k)
R18	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R19	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R20	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R21	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R22	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R23	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R24	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R26	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R27	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R28	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R29	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R30	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R31	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R32	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R33	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R34	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)
R36	7030003600	S.RES ERJ3GEYJ 223 V (22 k)
R37	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R38	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R41	7030003610	S.RES ERJ3GEYJ 273 V (27 k)
R42	7030003610	S.RES ERJ3GEYJ 273 V (27 k)
R43	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R44	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R45	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
R46	7030003610	S.RES ERJ3GEYJ 273 V (27 k)
R47	7030003580	S.RES ERJ3GEYJ 153 V (15 k)
C1	4030006860	S.CER C1608 JB 1H 102K-T
C2	4030006860	S.CER C1608 JB 1H 102K-T
C3	4030007090	S.CER C1608 CH 1H 470J-T
C4	4030007090	S.CER C1608 CH 1H 470J-T
C5	4030006860	S.CER C1608 JB 1H 102K-T
C6	4030007090	S.CER C1608 CH 1H 470J-T
C7	4030006850	S.CER C1608 JB 1H 471K-T
C8	4030006850	S.CER C1608 JB 1H 471K-T
C9	4030008560	S.CER C1608 CH 1H 300J-T
C10	4030008560	S.CER C1608 CH 1H 300J-T
C11	4030008890	S.CER C1608 JB 1H 273K-T
C12	4030011600	S.CER C1608 JB 1E 104K-T
C13	4030011600	S.CER C1608 JB 1E 104K-T
C14	4030011600	S.CER C1608 JB 1E 104K-T
C15	4030007090	S.CER C1608 CH 1H 470J-T
C16	4030011600	S.CER C1608 JB 1E 104K-T

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION
C17	4030011600	S.CER C1608 JB 1E 104K-T
C18	4030006860	S.CER C1608 JB 1H 102K-T
C19	4030006860	S.CER C1608 JB 1H 102K-T
C20	4030011600	S.CER C1608 JB 1E 104K-T
C21	4030006860	S.CER C1608 JB 1H 102K-T
C22	4030011600	S.CER C1608 JB 1E 104K-T
C23	4550006480	S.TAN TEESVA 1C 475M8R
C24	4030011600	S.CER C1608 JB 1E 104K-T
C25	4030011600	S.CER C1608 JB 1E 104K-T
C26	4030011600	S.CER C1608 JB 1E 104K-T
C27	4550006250	S.TAN TEESVA 1A 106M8R
C28	4030006860	S.CER C1608 JB 1H 102K-T
C29	4030006860	S.CER C1608 JB 1H 102K-T
C30	4030006890	S.CER C1608 JF 1H 103Z-T [A110EURO]
C30	4030007090	S.CER C1608 CH 1H 470J-T except [A110EURO]
C31	4030006860	S.CER C1608 JB 1H 102K-T
C32	4030006860	S.CER C1608 JB 1H 102K-T
C33	4030006860	S.CER C1608 JB 1H 102K-T
C34	4030006860	S.CER C1608 JB 1H 102K-T
C35	4030006860	S.CER C1608 JB 1H 102K-T
C36	4030006860	S.CER C1608 JB 1H 102K-T
C37	4030007090	S.CER C1608 CH 1H 470J-T [A110EURO]
C38	4030006860	S.CER C1608 JB 1H 102K-T [A110EURO]
J1	6510020511	S.CNR FH12-40S-0.5SV (55)
J2	6450001470	CNR 95003-2881
DS1	5030001740	LCD HLC7453-012400
DS2	5040002030	S.LED CL-170Y-CD-T
DS3	5040002030	S.LED CL-170Y-CD-T
DS4	5040002030	S.LED CL-170Y-CD-T
DS5	5040002030	S.LED CL-170Y-CD-T
DS6	5040002030	S.LED CL-170Y-CD-T
DS7	5040002030	S.LED CL-170Y-CD-T
S1	2250000420	ECR EVQB2CFC620B
SP1	2510000880	SP SME-45W except [GEN], [AUS]
SP1	2510000881	SP SME-C45W0819 [GEN], [AUS]
W1	7120000470	JMP ERDS2T0
W2	7120000470	JMP ERDS2T0
W3	7030003860	S.RES ERJ3GE JPW V
W4	7030003860	S.RES ERJ3GE JPW V
W6	8900007680	CBL OPC-741 (N:40 L:55)
W6	8900007682	CBL OPC-741A-1 (P0.5,N40,L55)
EP2	8930037960	LCT SRCN-1705 ZSS

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1130008831	S.IC TB31207AFNG (EL)	B	88/26.6
IC4	1110003670	S.IC BA3308F-E2	B	102.7/22.9
IC5	1110002751	S.IC TA75501F (TE85R,F)	T	109.7/21
IC6	1130004201	S.IC TC4S66F (TE85R,F)	B	60.1/37.4
IC7	1110006090	S.IC XC6202P502PR	B	75.4/14.3
IC11	1110002400	S.IC NJM2107F-TE1	B	104.6/37.8
IC13	1130011860	S.IC SM6451BT-G-E2	B	50.8/41.2
IC15	1110005011	S.IC MC33063ADR2G	B	17.2/45.8
IC16	1130006221	S.IC TC4W53FU (TE12L,F)	B	101.7/12.2
IC17	1130006220	S.IC TC4W53FU (TE12L)	B	114/34.8
IC18	1130006220	S.IC TC4W53FU (TE12L)	B	127.5/18
IC19	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	60.3/28.5
IC22	1130006221	S.IC TC4W53FU (TE12L,F)	B	52.5/24.9
IC26	1180000421	S.IC TA78L05F (TE12R,F)	B	25.6/50.1
IC28	1130004201	S.IC TC4S66F (TE85R,F)	B	18.7/71.5
IC29	1180002010	S.REG BA08FP-E2	T	73.9/22.6
IC30	1130004201	S.IC TC4S66F (TE85R,F)	B	36.5/66
IC31	1110002751	S.IC TA75501F (TE85R,F)	T	106/7.5
IC37	1110003250	S.IC TDA7233D (TDA7233D013TR)	B	25.9/76
IC40	1110003201	S.IC TA31136FNG (EL)	B	113.7/39.6
IC41	1110003091	IC LA4425A-E		
IC42	1110002751	S.IC TA75501F (TE85R,F)	T	58.7/29.7
IC43	1190001211	S.IC HIP4081AIBZ-T	T	21.2/37.9
IC44	1110005131	S.IC uPC311G2-E2-A	B	6.5/15
IC45	1110005100	S.IC NJM072BM-TE1	T	7.4/25
IC46	1110005011	S.IC MC33063ADR2G	B	19.8/15.8
IC47	1190001211	S.IC HIP4081AIBZ-T	T	18.4/17.7
IC48	1130006221	S.IC TC4W53FU (TE12L,F)	B	6.8/24.1
IC50	1110002751	S.IC TA75501F (TE85R,F)	B	86.8/79
IC51	1110002751	S.IC TA75501F (TE85R,F)	T	104.8/13.4
IC52	1190002051	S.IC SPM5001-TL-E	T	104.4/51.6
Q1	1580000731	S.FET 3SK293 (TE85L,F)	B	120.8/62
Q3	1530002601	S.TR 2SC4215-O (TE85R,F)	B	123.8/35.6
Q4	1530002601	S.TR 2SC4215-O (TE85R,F)	B	128.9/13.7
Q5	1530002601	S.TR 2SC4215-O (TE85R,F)	B	118.9/14.3
Q6	1530002601	S.TR 2SC4215-O (TE85R,F)	B	115.7/6.6
Q7	1530003281	S.TR 2SC4211-6-TL-E	B	113/16.4
Q11	1530002280	S.TR 2SC4081 T106 S	T	88.7/72.4
Q12	1530002561	S.TR 2SC4403-3-TL-E	B	99.5/33
Q14	1530002561	S.TR 2SC4403-3-TL-E	B	93.4/41.7
Q15	1530002930	S.TR 2SC4228 (M) -T1 R45	B	99.5/44.4
Q16	1530002851	S.TR 2SC4116-BL (TE85R,F)	T	98/42.5
Q20	1560001101	S.FET 2SK3074 (TE12L,F)	B	83.1/65.7
Q21	1560001061	S.FET 2SK3075 (TE12L,Q)	T	67/70.7
Q22	1530003281	S.TR 2SC4211-6-TL-E	B	67.3/18.4
Q23	1520000460	S.TR 2SB1132 T100 R	B	61.9/17.8
Q33	1590001980	S.TR XP4315 (TX)	T	105/21.7
Q42	1530002920	S.TR 2SC4226-T1 R25	B	93/55.7
Q43	1530002920	S.TR 2SC4226-T1 R25	T	89.9/42.6
Q44	1530002920	S.TR 2SC4226-T1 R25	T	83.5/48.4
Q51	1590002841	FET MRF137 (M/A COM)	T	62.8/98.9
Q52	1510000881	S.TR 2SA1622-6-TL-E	B	100.5/5.9
Q53	1590000980	S.TR DTB123EK T146	T	76/11.9
Q58	1590001810	S.TR XP1113 (TX)	T	98/46.9
Q59	1530002920	S.TR 2SC4226-T1 R25	T	82.8/39.7
Q68	1590001980	S.TR XP4315 (TX)	T	111.9/52.8
Q69	1590000980	S.TR DTB123EK T146	T	112/49.8
Q70	1590000980	S.TR DTB123EK T146	B	60.2/49.7
Q71	1590001940	S.TR DTC144EE TL-E	B	62.3/44.7
Q72	1590001980	S.TR XP4315 (TX)	B	71.6/11.4
Q73	1530002060	S.TR 2SC4081 T106 R	T	127.6/76.6
Q74	1520000201	S.TR 2SB798-T2-AZ DK	B	18.4/78.3
Q75	1530002060	S.TR 2SC4081 T106 R	B	14.8/81.2
Q77	1540000520	S.TR 2SD1819A (TX) R	T	124.9/14.4
Q78	1540000520	S.TR 2SD1819A (TX) R	T	116/15.2
Q79	1560000531	S.FET 2SK880-GR (TE85R,F)	B	73.4/56.8
Q80	1590000720	S.TR DTA144EUA T106	B	60.6/41.5
Q81	1590000430	S.TR DTC144EUA T106	B	59.9/44.6
Q82	1530002280	S.TR 2SC4081 T106 S	B	25.7/54.9
Q83	1530002381	S.TR 2SC4215-Y (TE85L,F)	T	110.8/33.7
Q84	1530002381	S.TR 2SC4215-Y (TE85L,F)	T	106.4/31.5
Q86	1590001980	S.TR XP4315 (TX)	B	18.7/87.9
Q87	1560001121	S.FET 2SK2414-Z-E1-AZ	B	18.3/36.9
Q88	1560001121	S.FET 2SK2414-Z-E1-AZ	B	25.3/29.8
Q89	1590001170	S.TR XP1501-(TX) -AB	T	7.5/50.9
Q90	1510001020	TR 2SA1471R		
Q91	1560001121	S.FET 2SK2414-Z-E1-AZ	B	36.6/31.2
Q92	1560001121	S.FET 2SK2414-Z-E1-AZ	B	32.9/6
Q93	1560001121	S.FET 2SK2414-Z-E1-AZ	B	32.2/17.6
Q94	1590003820	S.FET FW261-TL-E	B	34.2/111.5
Q96	1590000430	S.TR DTC144EUA T106	B	36.1/99.7
Q97	1590000430	S.TR DTC144EUA T106	B	33.2/98.8
Q98	1510000771	S.TR 2SA1586-GR (TE85L,F)	T	85.4/69.5
Q99	1530002851	S.TR 2SC4116-BL (TE85R,F)	T	91.5/72.4
Q100	1590003820	S.FET FW261-TL-E	B	16.7/111.1
Q101	1590000430	S.TR DTC144EUA T106	B	16.6/99.7
Q102	1530002280	S.TR 2SC4081 T106 S	B	17.7/23.1
D1	1750000511	S.DIO UX9401F-STD/TR	B	121/83
D2	1750000511	S.DIO UX9401F-STD/TR	B	118.3/75.1
D3	1750000511	S.DIO UX9401F-STD/TR	T	110/82.4
D4	1790001670	S.DIO RB706F-40T106	B	94.2/90.5
D5	1790001670	S.DIO RB706F-40T106	B	88.3/90.4
D6	1720000781	S.VCP HVU350BTRF-E	B	133.5/65.7

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D7	1720000781	S.VCP HVU350BTRF-E	B	110.6/65
D8	1720000781	S.VCP HVU350BTRF-E	B	107.2/65.6
D10	1790000620	S.DIO MA77 (TX)	B	99.5/51.7
D11	1790000620	S.DIO MA77 (TX)	B	98.7/54.4
D14	1790001330	S.ZEN MA8036-L (TX)	B	96.3/23.5
D15	1790001280	S.DIO MA111 (TX)	B	65.3/15.8
D26	1790001341	S.DIO DE5SC6M-7061	B	30.5/38.9
D27	1790001280	S.DIO MA111 (TX)	B	100.5/9.5
D28	1750000580	S.DIO 1SV307 (TPH3)		
D29	1750000581	S.DIO 1SV307 (TPH3,F)	B	114.7/52
D30	1750000581	S.DIO 1SV307 (TPH3,F)	B	114.7/50.1
D31	1750000580	S.DIO 1SV307 (TPH3)	B	126.3/48.6
D35	1730002460	S.ZEN MA8330-M (TX)	B	126/51
D36	1790000700	DIO DSA3A1	B	31.4/55.6
D37	1720000781	S.VCP HVU350BTRF-E	B	128.2/65.7
D38	1750000531	S.DIO 1SV271 (TPH3,F)	B	126.4/76.2
D43	1750000261	S.DIO 1SS352 (TPH3,F)	B	18/82.1
D44	1730002320	S.ZEN MA8051-M (TX)	B	107.9/41.7
D50	1750000531	S.DIO 1SV271 (TPH3,F)	B	123.4/43.5
D51	1750000531	S.DIO 1SV271 (TPH3,F)	B	132.8/12.1
D52	1750000531	S.DIO 1SV271 (TPH3,F)	B	120.3/10
D53	1790001250	S.DIO MA2S111-(TX)	T	120.6/74.3
D54	1790001250	S.DIO MA2S111-(TX)	T	123.3/74.3
D55	1790000671	S.DIO SB07-03C-TB-E	T	29.7/42.4
D56	1790001341	S.DIO DE5SC6M-7061	B	32.1/24.1
D57	1750000051	S.DIO 1SS193 (TE85R,F)	T	27/17.5
D62	1790000671	S.DIO SB07-03C-TB-E	B	33.7/103
D64	1720000781	S.VCP HVU350BTRF-E	T	78.4/45.4
D65	1720000781	S.VCP HVU350BTRF-E	T	77.5/42
D66	1790000671	S.DIO SB07-03C-TB-E	B	15.8/103.2
F11	2010002400	S.MLH FL-306 (38.850 MHz)	T	121.2/48
F12	2010002410	S.MLH FL-307 (38.850 MHz)	T	121.2/55.2
F13	2020001540	CER CFWLB450KDF-A-B0		
F14	2020001660	CER CFG450H		
F15	4580000110	S.FIL ACF321825-223-T	B	15.5/16.8
F16	2040000500	LC BNX-002-01		
X1	6050010831	S.XTL CR-657A (12.8 MHz)	T	89.2/24.9
L2	6110001670	COL LA-253		
L3	6110001740	COL LA-263		
L4	6110001610	COL LA-244		
L5	6110001610	COL LA-244		
L6	6110001550	COL LA-235		
L7	6170000230	COL LW-25		
L9	6150005001	S.COL LS-527-LF	T	130.8/65.1
L10	6150005001	S.COL LS-527-LF	T	113.7/65.1
L11	6150005001	S.COL LS-527-LF	T	106.4/65.1
L14	6200001630	S.COL ELJNC R10K-F	B	96.3/41.2
L15	6200003300	S.COL ELJNC R22K-F	B	99.1/46.9
L17	6200003290	S.COL ELJNC R12K-F	B	90.1/58.3
L19	6200005731	S.COL ELJRE 39NGFA	B	86.4/62.8
L20	6200002380	S.COL LQW31HN56NJ03L	B	80.5/61.7
L21	6200013030	S.COL 0.35-1.6-TL 31.0N <COMO>	T	54.1/73.8
L22	6200005741	S.COL ELJRE 47NGFA [AUS] only	T	77.3/69
L23	6200012870	S.COL 0.30-1.4-5TR 23.5N <COMO>	T	55.2/77.2
L26	6200003590	S.COL EXCC13225U1	B	75.6/61.3
L27	6200001920	S.COL ELJNC R15K-F	T	133.6/74.6
L31	6200007001	S.COL ELJRE 82NGFA [AUS] only	T	89.9/40.4
L33	6200004480	S.COL MLF1608D R82K-T	T	73.4/43.5
L35	6200012520	S.COL 0.26-1.0-5TL 12N <COMO>	T	49.3/88.8
L36	6140000670	COL LR-89		
L39	6200004480	S.COL MLF1608D R82K-T	T	89.2/48.8
L40	6200009081	S.COL #E558CN-100025=P3	T	71.9/47.5
L41	6200004851	S.COL #E558CN-100024=P3	T	71.8/36.9
L42	6200004480	S.COL MLF1608D R82K-T	T	74.3/42
L43	6200004480	S.COL MLF1608D R82K-T	T	86.3/44.4
L48	6110001600	COL LA-243		
L49	6150005001	S.COL LS-527-LF	T	122.6/65.1
L50	6110001730	COL LA-262		
L52	6200004480	S.COL MLF1608D R82K-T	T	127.6/78.8
L53	6190001500	COL HK-08S070-1310		
L54	6200007001	S.COL ELJRE 82NGFA [AUS] only	B	102.4/52.1
L55	6200003310	S.COL ELJFC R33M-F	T	110.7/41.4
L56	6200003310	S.COL ELJFC R33M-F	T	113.6/36.1
L57	6200003310	S.COL ELJFC R33M-F	T	110.4/28.6
L60	6200005011	S.COL NLV25T-100J	T	8.9/37.5
L61	6190001510	COL HK-10S080-1210		
L62	6190001500	COL HK-08S070-1310		
L63	6190001500	COL HK-08S070-1310		
L64	6190001500	COL HK-08S070-1310		
L65	6200005011	S.COL NLV25T-100J	T	3.1/31.1
L67	6200013050	S.COL 0.26-0.9-9TR 23.0N <COMO>	T	50.6/82.9
L68	6200012860	S.COL 0.20-0.7-4TR 6.5N <COMO>	T	49.9/94.6
L69	6200012520	S.COL 0.26-1.0-5TL 12N <COMO>	T	50.5/98.8
L70	6110001520	COL LA-232		
L71	6110002110	COL LA-382		
L72	6200002041	S.COL NLV25T-101J	B	125.8/12.4
L73	6200002041	S.COL NLV25T-101J	B	112.3/6.6
L74	6200002710	S.COL ELJFC 1R8K-F	B	120.6/36.7
L75	6200004480	S.COL MLF1608D R82K-T	B	92/85.8
L77	6200009141	S.COL NLV25T-6R8J	B	84.8/31.4

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L78	6190001690	S.COL ZBFS5105-PT-01	B	42.7/46.2
L79	6190001690	S.COL ZBFS5105-PT-01	B	22.2/44.5
L80	6190001690	S.COL ZBFS5105-PT-01	B	55.2/16.8
L81	6190001690	S.COL ZBFS5105-PT-01	B	44.4/13.1
L82	6200004450	S.COL ELJFC 6R8M-F	T	76.2/47.1
L83	6200004880	S.COL ELJFC 3R3K-F	T	83.2/45.5
L84	6200004880	S.COL ELJFC 3R3K-F	T	85.7/36.9
L85	6200004450	S.COL ELJFC 6R8M-F	T	77.4/38.9
L86	6190001690	S.COL ZBFS5105-PT-01	B	13.7/115.6
L87	6200006991	S.COL ELJRE 56NGFA [AUS] only	B	97.2/49.5
L88	6200004480	S.COL MLF1608D R82K-T	B	
		[A110EURO] only	B	95.8/7.1
L89	6130002961	S.COL #617DB-1327=P3	T	100.7/56.3
L90	6130003000	S.COL #617DB-1714=P3 , [EUR-1] only	B	108.6/52.9
L91	6130003000	S.COL #617DB-1714=P3 , [EUR-1] only	B	109.7/48
R1	7030006070	S.RES ERJ12YJ101U (100)	B	105.4/74.2
R2	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	92.8/88.1
R3	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	88.4/88.1
R9	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	130.1/61.9
R11	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	123.4/62.2
R12	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	126.4/62.2
R13	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	118.3/62.1
R14	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	B	115.5/62.1
R15	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	123.3/65.7
R17	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	118.6/66.5
R18	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	112.3/62.1
R19	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	108.9/62.1
R20	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	107.2/62.1
R25	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	103.9/50.9
R30	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	B	120.4/41
R31	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	125.1/37.9
R34	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	133.3/19.2
R35	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	132.5/16.8
R36	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	131.9/14.5
R37	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	129/15.6
R38	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	129/11.8
R40	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	122.7/11.7
R41	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	121.9/9.6
R42	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	118.6/10.1
R43	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	115.9/14.3
R45	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	115.7/8.7
R46	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	115.7/4.5
R48	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	110.7/12.7
R49	7030003750	S.RES ERJ3GEYJ 394 V (390 k)	B	112.9/14.3
R50	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	111.3/21.6
R59	7310004660	S.TRI EVM-2WSX80 B54 (503)	T	81.2/57.9
R61	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	
		[A110EURO]	B	68.1/42.1
R62	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k) [A110]	B	68.1/42.1
	7030003440	S.RES ERJ3GEYJ 102 V (1 k) [A110]	B	76.2/25
	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	
		[A110EURO]	B	76.2/25
R63	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	98/40.5
R64	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	81.9/25.8
R65	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/36.6
R66	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/38.1
R67	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	99.5/38.1
R68	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	96.3/35.1
R69	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	B	99.5/35.1
R70	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	96.3/33
R71	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	96.3/28.4
R72	7030003660	S.RES ERJ3GEYJ 683 V (68 k)	B	93.4/39.6
R73	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	93.4/45.5
R74	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	B	99.5/42.5
R75	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	96.3/44.1
R76	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	96.4/52.7
R77	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	96.3/60.2
R78	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	97.1/54.8
R79	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	97.4/58.3
R80	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	95.5/56.2
R85	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	93.1/60.5
R86	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	90.8/61.5
R87	7030003330	S.RES ERJ3GEYJ 121 V (120)	B	92.1/58.4
R95	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	87.2/65.1
R99	7030003270	S.RES ERJ3GEYJ 390 V (39)	T	75/68.2
R101	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	T	
		[A110EURO]	T	86.2/67.5
		[A110]	T	86.2/67.5
R108	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	106.4/13.5
R110	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98.5/17.8
R111	7310004530	S.TRI EVM-2WSX80 B14 (103)	B	99.6/28.2
R112	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	107.1/28.3
R113	7030003270	S.RES ERJ3GEYJ 390 V (39)	B	104.2/28.3
R114	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	105/26
R115	7510001571	S.TMR NTCG16 4LH 104JT	T	108.7/24.1
R116	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	111.3/17.3
R117	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	T	96.3/25.2
R118	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	112.1/20.7
R119	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	112.1/23.6
R120	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	107.3/20.7
R121	7310004610	S.TRI EVM-2WSX80 B15 (104)	T	28.1/29.3
R122	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	112.7/14.3
R123	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	112.7/9.3
R124	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	110.6/6.5
R126	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	74.8/17.8

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R127	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	70.1/17.5
R128	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	65.3/18.9
R131	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	53/37.6
R132	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	49.8/35.6
R148	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	87.6/84.2
R149	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	84.3/79
R150	7310004530	S.TRI EVM-2WSX80 B14 (103)	T	85.3/78.9
R151	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	84.6/82.7
R152	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	89.8/85
R153	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)	B	85.4/86.5
R174	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	122.7/14.3
R181	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	56.4/36.5
R182	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	106.3/34.8
R183	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	104.4/34.9
R184	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	104.9/40.8
R186	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	B	56.1/35.6
R187	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	57.5/35.6
R188	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	105/24.7
R192	7030003660	S.RES ERJ3GEYJ 683 V (68 k)	T	89.9/45
R193	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	89.2/37.2
R194	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	86.2/48.8
R208	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	8.9/72.5
R209	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	8.9/69.7
R211	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)	B	16.8/54.7
R212	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	16.8/56.1
R218	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	82.3/29.5
R219	7030000210	S.RES MCR10EZHU 39 (390)	T	47.2/106.4
R220	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	46.8/102.3
R221	7030000520	S.RES MCR10EZHU 15 k	B	47.8/101.6
R223	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	103.9/6.6
R224	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	103.9/3.9
R225	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	103.9/5.2
R226	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	100.5/7.9
R228	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	129.2/51
R229	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	115.7/47.7
R230	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	122.4/51.1
R231	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	117.9/52
R232	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	123.1/48.6
R233	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	118/49.6
R234	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	70.8/21.9
R235	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	65.8/23.6
R236	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	63.1/23.6
R237	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	63.8/25.7
R238	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	65.1/27.3
R239	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	63.4/33.1
R240	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	61.3/33.4
R241	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	55.9/31.8
R242	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	56.8/29.6
R243	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	96.8/29.5
R251	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	98/44.7
R256	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	85.5/41.8
R267	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	29.8/54.6
R273	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	29.2/71.8
R280	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.1/28.6
R281	7030003750	S.RES ERJ3GEYJ 394 V (390 k)	T	113.4/16.5
R288	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	114.6/40.2
R289	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	128.2/61.9
R295	7030003350	S.RES ERJ3GEYJ 181 V (180)	B	129/75.4
R297	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	127.4/74.3
R301	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	49.3/29.7
R321	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	27/71.3
R322	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	B	44.4/77.3
R323	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	14.9/87.1
R325	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	18/83.7
R327	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	107.6/43.4
R328	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	118/16.8
R329	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	119.3/10.7
R330	7510001000	S.TMR TBPS1R154K475H5Q	T	118/10.7
R331	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	116.7/12.3
R332	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	118/13.9
R333	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	122.1/12.1
R334	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	T	124.9/12.1
R336	7310004590	S.TRI EVM-2WSX80 B13 (102)	T	31.8/98.6
R338	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	101.2/14.1
R340	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	29.3/88.7
R342	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	48.8/26
R355	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	125/16.8
R356	7030003660	S.RES ERJ3GEYJ 683 V (68 k)	T	114.2/19.5
R357	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	66/42.1
R358	7030003670	S.RES ERJ3GEYJ 823 V (82 k)	B	75.9/56.6
R359	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	64.5/48.1
R361	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	25.8/67.8
R362	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	B	57.9/44.7
R363	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	59.7/24.5
R364	7030003810	S.RES ERJ3GEYJ 125 V (1.2 M)	T	61.1/29.5
R365	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	56.2/29.7
R366	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	56.2/26.8
R367	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	62.4/29.7
R368	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	B	124.3/39.2
R369	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	120.2/42.3
R370	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	130.4/10.4
R371	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	122.3/13
R372	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	116.1/27.5
R373	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	114/29.6
R374	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	112.3/31.5
R375	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	113.2/27.5
R376	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	T	105.8/28.7
R377	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	119.4/64.4

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R379	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	58.3/35.7
R380	7030006060	S.RES ERJ12YJ100U (10)	B	38/81.7
R383	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	15.7/89.3
R386	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	16.6/45.3
R387	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	20.7/44.6
R388	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	17.5/50.3
R389	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	B	18.5/41.2
R390	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	18.9/54.1
R391	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	16.8/51.9
R392	7310004670	S.TRI EVM-2WSX80 B55 (504)	T	12.2/28
R393	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	6.9/17.1
R394	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	5.8/20.1
R395	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	6.6/31.5
R396	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	5.8/30.2
R397	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	8.5/30.2
R398	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	3.9/45.5
R399	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.2/45.5
R400	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	8.2/48
R401	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	3.7/48.1
R403	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	15.8/21
R404	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	18.9/20.2
R405	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	23.8/14.8
R406	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	22.9/10.6
R407	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	13/24.5
R408	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	14.9/25.2
R409	7030004890	S.RES ERJ3GEYF 434 V (430 k)	T	16.3/27.9
R410	7030004860	S.RES ERJ3GEYF 184 V (180 k)	T	14.8/27.9
R411	7030005260	S.RES ERJ3GEYF 394 V (390 k)	T	13/25.8
R412	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	5/16.7
R413	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	6.4/14.6
R414	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	8/15.9
R415	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	99.5/41
R417	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	39.3/109.1
R418	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	29/113
R419	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	29/111.7
R420	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	39.6/112.4
R422	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	9.8/26.5
R423	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	85/76.2
R424	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	89.3/79
R425	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	88.6/76.3
R426	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	90.8/75.5
R427	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	88.7/74.6
R428	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	87.9/70.4
R429	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	85.4/71.8
R430	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	91.6/70.5
R431	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	75.8/64.8
		[A110EURO]	T	75.8/64.8
R432	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	6.9/27.9
R433	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	37.6/97.5
R434	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	36.1/102.8
R435	7030000410	S.RES MCR10EZHJ 1.8 k	T	70.5/68.1
R436	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	89.3/30.5
R437	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	120.6/39.7
R438	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	128.9/53.9
R439	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	116.5/53.9
R440	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	31.3/102.8
R441	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	37.8/107.8
R442	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	6.7/12.3
R443	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	10.3/15.8
R444	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	31.1/93.5
R445	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	9.5/83.6
R446	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	B	9.5/79.4
R447	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	128.9/48.1
R448	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	117/47.5
R450	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	83.6/50.3
R451	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	80.5/49
R452	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	80/47.1
R453	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	80.6/43.9
R454	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	107.9/17.2
R455	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	107.9/14.4
R456	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	105.1/11
R457	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	107.9/11.6
R458	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	83.5/34.8
R459	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	80.9/39.6
R460	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	81.7/37.5
R461	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	77.2/35.8
R462	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	21.8/112.9
R463	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	21.8/111.5
R464	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	12.3/110.6
R465	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	14.7/100
R466	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	18.2/103.3
R467	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	43.6/63.7
R468	7030006120	S.RES ERJ1WYJ4R7U (4.7) [EUR-1] only	T	50.3/105.4
R469	7030006120	S.RES ERJ1WYJ4R7U (4.7) [EUR-1] only	B	51.3/105.4
R470	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	15.8/23.7
R471	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	10.2/10.5
R472	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	19.7/22.3
R473	7030001160	S.RES MCR50JZHJ 180 (181)	T	73.7/101.4
R474	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	72.9/69
R475	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	79.7/30
R476	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	98.1/10
R478	7030003670	S.RES ERJ3GEYJ 823 V (82 k)	T	106.3/34.1
R479	7510001571	S.TMR NTCG16 4LH 104JT	T	104.4/34.9
R484	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	B	112.2/19.3
R485	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	76.2/23.6
		[A110EURO] only	B	76.2/23.6

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R486	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	46.7/45.4
R487	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	45.8/39.5
R488	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	47.1/36.2
R489	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	46.7/37.6
R490	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	48.6/44.6
R491	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	47.2/34.4
R492	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	48.5/34.4
R493	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	103.8/56.8
R494	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	107/54
R498	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	109.1/49.8
R499	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	106.3/52.1
R500	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	107.6/52.1
R501	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	126.3/46.8
C1	4030011210	S.CER GRM31M2C2H330JV01L	B	116.4/103.5
C2	4030011070	S.CER GRM31M2C2H5R0CY21L	B	122.2/99.4
C3	4030011230	S.CER GRM31M2C2H390JV01L	B	113.2/95
C4	4030011030	S.CER GRM31M4C2H1R5CY21L	B	120.7/94.1
C5	4030011180	S.CER GRM31M2C2H220JV01L	B	117.5/90.6
C6	4030017200	S.CER GRM31BR32J102KY01L		
[A110EURO] only				
C7	4030011180	S.CER GRM31M2C2H220JV01L	B	117.5/87.1
C8	4030007080	S.CER C1608 CH 1H 390J-T	B	113.7/78.6
C9	4030007040	S.CER C1608 CH 1H 180J-T	B	118.2/83.3
C10	4030007090	S.CER C1608 CH 1H 470J-T	B	118.4/77.3
C11	4030017200	S.CER GRM31BR32J102KY01L	T	131.7/77.8
[A110EURO] only				
C12	4030011180	S.CER GRM31M2C2H220JV01L	T	97.7/90.7
C13	4030011020	S.CER GRM31M4C2H1R0CY21L	B	97.7/102.6
C14	4030011020	S.CER GRM31M4C2H1R0CY21L	B	96.1/96.1
C15	4030011180	S.CER GRM31M2C2H220JV01L	B	88.5/100.6
C16	4030011120	S.CER GRM31M2C2H100JV01L	B	93.3/104.9
C17	4030011120	S.CER GRM31M2C2H100JV01L	B	96.1/93.4
C18	4030006860	S.CER C1608 JB 1H 102K-T	B	87.1/93.2
C19	4030006860	S.CER C1608 JB 1H 102K-T	B	90.6/87.3
C20	4030017200	S.CER GRM31BR32J102KY01L	B	94.2/86.6
[A110EURO] only				
C22	4030007050	S.CER C1608 CH 1H 220J-T	B	90.8/100.6
C23	4030009560	S.CER C1608 CH 1H R75B-T	B	131.7/64.8
C24	4030006860	S.CER C1608 JB 1H 102K-T	B	130.9/66.9
C25	4030006860	S.CER C1608 JB 1H 102K-T	B	124.8/65.7
C26	4030006860	S.CER C1608 JB 1H 102K-T	B	116.9/62.1
C27	4030006860	S.CER C1608 JB 1H 102K-T	B	121.8/65.7
C28	4030006860	S.CER C1608 JB 1H 102K-T	B	119.4/68.6
C29	4030007060	S.CER C1608 CH 1H 270J-T	T	113.2/59.5
C30	4030006860	S.CER C1608 JB 1H 102K-T	B	108.9/65
C31	4030009500	S.CER C1608 CH 1H 0R5B-T	B	105.6/62.1
C32	4030007060	S.CER C1608 CH 1H 270J-T	B	112.3/65
C33	4030009920	S.CER C1608 CH 1H 050B-T	B	105.6/65.6
C34	4030006860	S.CER C1608 JB 1H 102K-T	T	103.8/59.5
C37	4030006860	S.CER C1608 JB 1H 102K-T	B	105/52.9
C39	4030006900	S.CER C1608 JB 1H 103K-T	B	103.8/60.9
C40	4030006860	S.CER C1608 JB 1H 102K-T	B	124.3/40.5
C41	4030006900	S.CER C1608 JB 1H 103K-T	B	120.2/43.6
C42	4030006900	S.CER C1608 JB 1H 103K-T	B	123.4/41.9
C43	4030006860	S.CER C1608 JB 1H 102K-T	B	120.7/34.8
C44	4030011600	S.CER C1608 JB 1E 104K-T	T	122.5/33.3
C46	4030006900	S.CER C1608 JB 1H 103K-T	B	108.2/40.2
C47	4030011600	S.CER C1608 JB 1E 104K-T	B	131.2/18.4
C48	4030011600	S.CER C1608 JB 1E 104K-T	B	131.2/12.3
C50	4030011600	S.CER C1608 JB 1E 104K-T	B	125.8/10.4
C51	4030006900	S.CER C1608 JB 1H 103K-T	B	119.4/12.4
C52	4030011600	S.CER C1608 JB 1E 104K-T	B	115.7/10.9
C53	4030006900	S.CER C1608 JB 1H 103K-T	B	115.7/3
C54	4030006900	S.CER C1608 JB 1H 103K-T	B	112.3/10.2
C55	4030006900	S.CER C1608 JB 1H 103K-T	B	114.9/19.3
C56	4550007390	S.TAN F931C225MAABMA	B	110.6/19.3
C58	4510008550	S.ELE EEE1HA010SR	T	121.1/15.3
C59	4550000530	S.TAN TEESVA 1V 104M8R	T	115.2/23.3
C60	455000614R	S.TAN ECST1EY474R	T	70.4/41.8
C61	4030006860	S.CER C1608 JB 1H 102K-T	B	77/27.1
C62	4030006860	S.CER C1608 JB 1H 102K-T	B	77.4/56.6
C63	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/1.7
C68	4030006860	S.CER C1608 JB 1H 102K-T	B	81.9/24.2
C69	4030006860	S.CER C1608 JB 1H 102K-T	B	99.5/36.6
C70	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/31.5
C71	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/30
C72	4030009990	S.CER C1608 CH 1H 200J-T	B	99.6/29.5
C73	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/38.1
C74	4030007040	S.CER C1608 CH 1H 180J-T	B	93.4/44.1
C75	4030006860	S.CER C1608 JB 1H 102K-T	B	99.5/39.6
C77	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/37.2
C78	4030009990	S.CER C1608 CH 1H 200J-T	B	96.3/45.5
C82	4030006860	S.CER C1608 JB 1H 102K-T	B	99.5/50.1
C85	4030006860	S.CER C1608 JB 1H 102K-T	B	94.7/58.3
C87	4030007030	S.CER C1608 CH 1H 150J-T	B	93.1/62.1
C91	4030006860	S.CER C1608 JB 1H 102K-T	B	88/58.2
C92	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/60.5
C95	4030007060	S.CER C1608 CH 1H 270J-T	B	88.9/62.4
C96	4030006860	S.CER C1608 JB 1H 102K-T	B	86.4/58.2
C97	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/66.6
C98	4030007030	S.CER C1608 CH 1H 150J-T	B	80.2/59.8
C99	4030006860	S.CER C1608 JB 1H 102K-T	T	81.1/68.2
C100	4030006860	S.CER C1608 JB 1H 102K-T	T	75.8/66.1
C101	4030007070	S.CER C1608 CH 1H 330J-T	T	53.7/71.3
C102	4030007050	S.CER C1608 CH 1H 220J-T	T	79.6/69.8
C103	4030007100	S.CER C1608 CH 1H 560J-T	T	63/74.6
			T	54.4/80.6

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C110	4030012600	S.CER C2012 JB 1A 105M-T	B	106.4/11.9
C112	4550006220	S.TAN TEESVA 0J 156M8R	B	109.4/26.5
C113	4510008540	S.ELE EEE1CA100SR	T	101.3/21.9
C114	4550007610	S.TAN F931E474MAABMA	B	96.3/21.4
C115	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/26.7
C116	4030006900	S.CER C1608 JB 1H 103K-T	T	107.9/26
C117	4030009970	S.CER C1608 JB 1H 182K-T	T	113.4/11.9
C118	4030009630	S.CER C1608 JB 1H 822K-T	T	110.6/8.5
C119	4030007130	S.CER C1608 CH 1H 101J-T	T	108.5/7.3
C120	4030012610	S.CER C2012 JB 1C 474K-T	B	6.8/21.4
C121	4030006900	S.CER C1608 JB 1H 103K-T	T	103.5/5.7
C122	4030006860	S.CER C1608 JB 1H 102K-T	T	98/38.7
C123	4550006220	S.TAN TEESVA 0J 156M8R	T	100.6/39.8
C124	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/44.7
C126	4030011600	S.CER C1608 JB 1E 104K-T	B	51.2/37
C127	4030006900	S.CER C1608 JB 1H 103K-T	B	56.5/44.8
C128	4030011600	S.CER C1608 JB 1E 104K-T	B	42.3/66.8
C129	4510007980	S.ELE 16SVP22M-AIC	T	80.4/16.5
C130	4030006860	S.CER C1608 JB 1H 102K-T	T	83.8/1.7
C131	4030006860	S.CER C1608 JB 1H 102K-T	B	72.8/18.6
C132	4550007360	S.TAN F931A226MBABMA	T	73.4/15.3
C133	4550007610	S.TAN F931E474MAABMA	T	65.3/15.6
C134	4550007360	S.TAN F931A226MBABMA	T	60.5/20
C135	4030006860	S.CER C1608 JB 1H 102K-T	T	61.3/16.3
C138	4510008540	S.ELE EEE1CA100SR	T	98.7/76.7
C139	4030006860	S.CER C1608 JB 1H 102K-T	B	85.4/85
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	86.8/81.9
C141	4030006860	S.CER C1608 JB 1H 102K-T	T	82.3/73.6
C148	4030006860	S.CER C1608 JB 1H 102K-T	B	108.8/77.3
C153	4030012600	S.CER C2012 JB 1A 105M-T	T	59.9/34.2
C154	4030007050	S.CER C1608 CH 1H 220J-T	B	125.8/15.6
C156	4030011600	S.CER C1608 JB 1E 104K-T	B	111.2/44.3
C164	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/76.5
C165	4030011770	S.CER C1608 CH 1H 060B-T	T	130.9/73.8
C167	4030006860	S.CER C1608 JB 1H 102K-T	B	72.4/59.7
C168	4510008750	S.ELE EEE1HA0R1SR	T	74.9/57.3
C170	4030012600	S.CER C2012 JB 1A 105M-T	T	105.3/45.8
C175	4550007260	S.TAN F931C475MAABMA	B	115.4/66.4
C177	4550007270	S.TAN F931A475MAABMA	B	57.2/39.9
C188	4030007070	S.CER C1608 CH 1H 330J-T	T	90.7/37.2
C189	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/42.7
C190	4030009500	S.CER C1608 CH 1H 0R5B-T	T	87/46.5
C192	4030007010	S.CER C1608 CH 1H 100D-T	T	80.6/45.2
	4030007030	S.CER C1608 CH 1H 150J-T	T	80.6/45.2
C193	4030006860	S.CER C1608 JB 1H 102K-T	T	87.7/48.8
C195	4030009990	S.CER C1608 CH 1H 200J-T	T	78.3/48.4
C206	4510008510	S.ELE EEE1CA471P	T	10.3/98.5
C208	4030007130	S.CER C1608 CH 1H 101J-T	B	8.9/71.1
C209	4030012610	S.CER C2012 JB 1C 474K-T	B	8.3/68.7
C211	4510007320	ELE 50 YXG 470M		
C212	4510007320	ELE 50 YXG 470M		
C213	4030006860	S.CER C1608 JB 1H 102K-T	B	82.4/29.3
C214	4030006860	S.CER C1608 JB 1H 102K-T	T	99.4/32.2
C217	4030007080	S.CER C1608 CH 1H 390J-T	T	48.5/86.4
C218	4030006860	S.CER C1608 JB 1H 102K-T	B	45.6/105.1
C220	4030006860	S.CER C1608 JB 1H 102K-T	T	74.3/78.6
C224	4030011600	S.CER C1608 JB 1E 104K-T	B	122.5/33.4
C226	4550005980	S.TAN TEESVA 1A 475M8R	T	96.8/33.4
C228	4030006900	S.CER C1608 JB 1H 103K-T	B	121.1/31.9
C229	4030006900	S.CER C1608 JB 1H 103K-T	B	55.7/24
C230	4030006900	S.CER C1608 JB 1H 103K-T	B	123.5/19.3
C231	4030006860	S.CER C1608 JB 1H 102K-T	B	35.2/52.1
C232	4030010210	S.CER C3216 JB 1C 105M-T	B	37/51.7
C233	4030012600	S.CER C2012 JB 1A 105M-T	B	112.2/4.2
C234	4030012600	S.CER C2012 JB 1A 105M-T	B	116.1/12.7
C235	4030006900	S.CER C1608 JB 1H 103K-T	B	126.2/8.3
C241	4030011190	S.CER GRM31M2C2H270JV01L	B	82.9/104
C242	4030018330	S.CER ERF22X 6C2H 820J D01L	B	76.8/102
C249	4030006860	S.CER C1608 JB 1H 102K-T	B	45.3/100.6
C250	4030006860	S.CER C1608 JB 1H 102K-T	T	73.3/66.7
C251	4030006860	S.CER C1608 JB 1H 102K-T	B	91.6/67.7
C253	4030006860	S.CER C1608 JB 1H 102K-T	B	103.1/78.6
C255	4030006860	S.CER C1608 JB 1H 102K-T	B	114.4/47.7
C256	4030008880	S.CER C1608 JB 1H 223K-T	B	65.8/24.9
C257	4030009970	S.CER C1608 JB 1H 182K-T	B	60.4/23.6
C258	4030006900	S.CER C1608 JB 1H 103K-T	B	68.7/23.6
C259	4030008860	S.CER C1608 JB 1H 153K-T	B	63.8/28.6
C260	4030006860	S.CER C1608 JB 1H 102K-T	B	65.1/30
C261	4030008880	S.CER C1608 JB 1H 223K-T	B	61.3/34.8
C262	4030011340	S.CER C1608 CH 1H 471J-T	B	58.3/33.4
C263	4030012660	S.CER C1608 JB 1E 683K-T	B	55.2/29.6
C264	4030007120	S.CER C1608 CH 1H 820J-T	B	55.4/26.7
C265	4030011600	S.CER C1608 JB 1E 104K-T	B	54.7/34
C266	4030011600	S.CER C1608 JB 1E 104K-T	T	113.2/18.1
C267	4030011600	S.CER C1608 JB 1E 104K-T	T	111.9/54.7
C268	4030011600	S.CER C1608 JB 1E 104K-T	T	53.4/19.1
C277	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/46.2
C279	4030007000	S.CER C1608 CH 1H 090D-T	T	83.8/36.7
C286	4030009500	S.CER C1608 CH 1H 0R5B-T	T	85.3/39.2
C288	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/40
C289	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/27.9
C290	4030011600	S.CER C1608 JB 1E 104K-T	B	64.5/46.7
C292	4030008920	S.CER C1608 JB 1H 473K-T	B	49.7/61
C293	4030010760	S.CER C1608 CH 1H 331J-T	B	50.6/54.5
C295	4030006860	S.CER C1608 JB 1H 102K-T	T	6.5/45.5
C298	4510008740	S.ELE EEE1HA330P	T	26.1/49.2
C299	4030006890	S.CER C1608 JF 1H 103Z-T	B	25.3/46.6

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C300	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/46
C301	4510008580	S.ELE EEE0JA470SR	T	18.8/49.4
C308	4030006900	S.CER C1608 JB 1H 103K-T	B	91/12.4
C309	4030011600	S.CER C1608 JB 1E 104K-T	B	103.9/7.9
C312	4030006860	S.CER C1608 JB 1H 102K-T	B	28.1/83.8
C313	4030011600	S.CER C1608 JB 1E 104K-T	B	21.2/71.8
C314	4030011600	S.CER C1608 JB 1E 104K-T	B	22.6/71.8
C315	4030006900	S.CER C1608 JB 1H 103K-T	B	104.5/45.6
C316	4030011180	S.CER GRM31M2C2H220JV01L	B	89.2/96.8
C317	4030006900	S.CER C1608 JB 1H 103K-T	T	75.9/8
C318	4030006900	S.CER C1608 JB 1H 103K-T	B	123.1/46.8
C319	4030006900	S.CER C1608 JB 1H 103K-T	B	120.7/52.9
C320	4030006900	S.CER C1608 JB 1H 103K-T	T	112.5/47.2
C321	4030006860	S.CER C1608 JB 1H 102K-T	T	69.8/16.8
C322	4510008690	S.ELE EEE1EA330SP	T	66.4/20.9
C323	4030006860	S.CER C1608 JB 1H 102K-T	B	78.7/31.4
C324	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/35.1
C325	4030011600	S.CER C1608 JB 1E 104K-T	T	57.7/33
C326	4550007390	S.TAN F931C225MAABMA	B	91.4/10.7
C327	4030006900	S.CER C1608 JB 1H 103K-T	B	128.3/9.6
C328	4030006900	S.CER C1608 JB 1H 103K-T	B	123.2/9.6
C329	4030006900	S.CER C1608 JB 1H 103K-T	B	114.1/62.1
C330	4030011110	S.CER GRM31M2C2H9RDV01L	B	123.8/105.8
C331	4030011160	S.CER GRM31M2C2H150JV01L	B	119.2/109.5
C332	4030006900	S.CER C1608 JB 1H 103K-T	T	128.9/52.3
C333	4030006900	S.CER C1608 JB 1H 103K-T	T	128.9/49.5
C337	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/67.4
C338	4030011600	S.CER C1608 JB 1E 104K-T	B	33.9/62.6
C339	4030008470	S.CER C1608 JB 1H 272K-T	B	68.7/24.9
C340	4030011600	S.CER C1608 JB 1E 104K-T	B	63.2/36.1
C341	4030006900	S.CER C1608 JB 1H 103K-T	B	100.5/3.9
C342	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/68.9
C343	4510008500	S.ELE EEE1CA101WP	T	41.6/72.7
C344	4030009500	S.CER C1608 CH 1H 0R5B-T	T	126.4/47.5
C346	4030006960	S.CER C1608 CH 1H 050C-T	T	114.9/56.4
C347	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/14.3
C348	4030006900	S.CER C1608 JB 1H 103K-T	B	61/52.6
C349	4030008650	S.CER C1608 JB 1H 332K-T	B	48.5/31.8
C353	4030011600	S.CER C1608 JB 1E 104K-T	B	27/69.9
C354	4030011600	S.CER C1608 JB 1E 104K-T	B	44.4/60.6
C358	4030006990	S.CER C1608 CH 1H 080D-T	B	124.9/62.2
C359	4030007050	S.CER C1608 CH 1H 220J-T	B	130.1/64.8
C360	4030006860	S.CER C1608 JB 1H 102K-T	B	133.5/62.2
C361	4030006950	S.CER C1608 CH 1H 040C-T	T	126.4/54.7
C362	4030006860	S.CER C1608 JB 1H 102K-T	B	122.6/74.5
C366	4030006860	S.CER C1608 JB 1H 102K-T	T	127.6/80.3
C374	4030006860	S.CER C1608 JB 1H 102K-T	B	41.6/72.8
C378	4030006870	S.CER C1608 JB 1H 222K-T	B	27/72.6
C379	4550007270	S.TAN F931A475MAABMA	B	32.5/73.5
C380	4550007670	S.TAN F931C105MAABMA	B	30.8/78.2
C381	4030011600	S.CER C1608 JB 1E 104K-T	B	41.5/77.3
C382	4030006900	S.CER C1608 JB 1H 103K-T	B	14.9/84.3
C383	4550006390	S.TAN TEESVA 1C 335M8R	B	13.9/90.5
C384	4030011600	S.CER C1608 JB 1E 104K-T	B	21.6/78.8
C385	4030008900	S.CER C1608 JB 1H 333K-T	B	51.4/28.9
C387	4510008510	S.ELE EEE1CA471P	T	23.3/73.2
C388	4510008680	S.ELE EEE1EA220SP	T	14.5/89.3
C389	4030006860	S.CER C1608 JB 1H 102K-T	T	1.8/94.8
C390	4030011600	S.CER C1608 JB 1E 104K-T	B	109.1/38.2
C391	4030009500	S.CER C1608 CH 1H 0R5B-T	T	89.9/46.5
C392	4030007020	S.CER C1608 CH 1H 120J-T	T	122.1/59.7
C395	4030006950	S.CER C1608 CH 1H 040C-T	T	122/43.6
C403	4030012600	S.CER C2012 JB 1A 105M-T	B	96.3/9.3
C404	4030012610	S.CER C2012 JB 1C 474K-T	B	31.1/88.7
C405	4030009520	S.CER C1608 CH 1H 020B-T	B	131.7/68.2
C406	4030006960	S.CER C1608 CH 1H 050C-T	B	128.3/68.2
C407	4030009910	S.CER C1608 CH 1H 040B-T	B	111.5/67.4
C409	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/46.9
C410	4030006860	S.CER C1608 JB 1H 102K-T	B	94.2/85
C413	4550007540	S.TAN F931C155MAABMA	B	47.6/107.6
C415	4030007060	S.CER C1608 CH 1H 270J-T	B	101.7/53.9
C416	4030007030	S.CER C1608 CH 1H 150J-T	B	103.2/53.9
C417	4030006860	S.CER C1608 JB 1H 102K-T	B	76.2/53.8
C418	4030006860	S.CER C1608 JB 1H 102K-T	T	55.2/82.5
C419	4030017200	S.CER GRM31BR32J102KY01L	B	75.8/81.9
C420	4030006900	S.CER C1608 JB 1H 103K-T	T	55.9/23.7
C421	4030007050	S.CER C1608 CH 1H 220J-T	T	112.7/39.4
C422	4030007070	S.CER C1608 CH 1H 330J-T	T	110/39.4
C423	4030006970	S.CER C1608 CH 1H 060D-T	T	110.8/37.2
C424	4030007100	S.CER C1608 CH 1H 560J-T	T	113.5/34.1
C425	4030006900	S.CER C1608 JB 1H 103K-T	T	113.5/32.8
C426	4030009990	S.CER C1608 CH 1H 200J-T	T	109.4/31.5
C427	4030007080	S.CER C1608 CH 1H 390J-T	T	108.4/28.7
C428	4030006900	S.CER C1608 JB 1H 103K-T	T	107.1/28.7
C429	4030009550	S.CER C1608 CH 1H 2R5B-T	B	82.1/31.8
C430	4030006900	S.CER C1608 JB 1H 103K-T	T	115.3/29.6
C433	4510009280	S.ELE EEE1EA4R7SR	T	129.4/15.4
C434	4030006960	S.CER C1608 CH 1H 050C-T	B	118.5/47.5
C436	4510008540	S.ELE EEE1CA100SR	T	30.3/37.6
C437	4510008540	S.ELE EEE1CA100SR	T	11.1/33.8
C438	4030006900	S.CER C1608 JB 1H 103K-T	T	12.8/36.9
C439	4030007170	S.CER C1608 CH 1H 221J-T	B	15.5/41.2
C441	4510008500	S.ELE EEE1CA101WP	T	12.4/50.8
C442	4030006900	S.CER C1608 JB 1H 103K-T	T	16.7/53.8
C443	4030011600	S.CER C1608 JB 1E 104K-T	B	3/13.6
C444	4030006900	S.CER C1608 JB 1H 103K-T	T	16.6/25.2
C445	4510008500	S.ELE EEE1CA101WP	T	21.2/72.2
C446	4030010760	S.CER C1608 CH 1H 331J-T	T	5.8/18.8

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C447	4030012600	S.CER C2012 JB 1A 105M-T	T	8.8/18.7
C448	4510008500	S.ELE EEE1CA101WP	T	10.7/43
C449	4030006900	S.CER C1608 JB 1H 103K-T	T	12.9/38.8
C450	4030007120	S.CER C1608 CH 1H 820J-T [A110EURO]	B	21/21
	4030010040	S.CER C1608 JB 1H 561K-T [A110]	B	21/21
C452	4510007230	ELE 50 YXG 1000M		
C453	4510009060	S.ELE EEE1HA3R3SR	T	31.2/17.5
C454	4550003210	S.TAN TEESVD21D226M12R	T	22.2/9.2
C455	4030006900	S.CER C1608 JB 1H 103K-T	T	17.2/10.2
C456	4030017070	S.CER GRM32MR11H474KA01L	B	48.8/6.8
C457	4030017070	S.CER GRM32MR11H474KA01L	B	48.8/3.7
C458	4030006860	S.CER C1608 JB 1H 102K-T	B	44.3/7.9
C459	4030006860	S.CER C1608 JB 1H 102K-T	B	40.9/7.9
C460	4030006860	S.CER C1608 JB 1H 102K-T	B	44.3/5
C461	4030006860	S.CER C1608 JB 1H 102K-T	B	41.2/5
C462	4030017070	S.CER GRM32MR11H474KA01L	B	54/9.9
C463	4030017070	S.CER GRM32MR11H474KA01L	B	55.7/6.8
C468	4030017070	S.CER GRM32MR11H474KA01L	B	57.2/13.5
C472	4030006860	S.CER C1608 JB 1H 102K-T	B	97.9/56.7
C500	4030009650	S.CER C1608 CH 1H 240J-T	T	53.6/82.5
C501	4030007050	S.CER C1608 CH 1H 220J-T	T	48.5/84.8
C502	4030007110	S.CER C1608 CH 1H 680J-T	T	48.5/92.8
C503	4030006980	S.CER C1608 CH 1H 070D-T	T	48.5/91.2
C504	4030007150	S.CER C1608 CH 1H 151J-T	T	49.7/96.4
C505	4510007320	ELE 50 YXG 470M		
C506	4510009130	S.ELE EEEHBOJ330R	T	80.9/25.2
C507	4030008960	S.CER C2012 JB 1C 104K-T	B	9.3/29
C508	4030010020	S.CER C1608 JB 1H 122K-T	B	125.8/14.3
C509	4030010020	S.CER C1608 JB 1H 122K-T	B	112.3/8.7
C512	4030006860	S.CER C1608 JB 1H 102K-T	B	86.6/74.7
C513	4510008540	S.ELE EEE1CA100SR	T	90.4/78.6
C514	4030006860	S.CER C1608 JB 1H 102K-T	T	91.4/74.6
C515	4030006860	S.CER C1608 JB 1H 102K-T	T	82.3/71.8
C516	4030011600	S.CER C1608 JB 1E 104K-T	T	93.8/72.6
C517	4030006860	S.CER C1608 JB 1H 102K-T	T	91.6/69
C518	4030016990	S.CER GRM32RR11H105KA01L	B	33.9/107.2
C519	4030017190	S.CER GRM31AR32J471KW01D	T	67/65.9
C520	4030011280	S.CER C1608 CH 1H 271J-T	T	52.9/100.4
C521	4510004650	S.ELE ECEV1EA4R7SR	T	79.5/64.3
C522	4030007050	S.CER C1608 CH 1H 220J-T	B	56.8/26.7
C523	4030006870	S.CER C1608 JB 1H 222K-T	T	26.9/26.5
C524	4030008550	S.CER C2012 JF 1H 473Z-T	B	24.7/18
C525	4030006860	S.CER C1608 JB 1H 102K-T	T	10.4/20.3
C529	4030008920	S.CER C1608 JB 1H 473K-T	B	8.7/81.5
C530	4030008770	S.CER C1608 JB 1H 562K-T	B	8.7/77.3
C531	4510007390	ELE 50 YK 220M		
C533	4030009520	S.CER C1608 CH 1E 020B-T	B	107.6/68.1
C535	4510005520	ELE 50 ME 330 HC		
C536	4030011600	S.CER C1608 JB 1E 104K-T	B	11.6/23.2
C537	4030006860	S.CER C1608 JB 1H 102K-T	T	76.4/44.9
C538	4030007140	S.CER C1608 CH 1H 121J-T [A110]	T	78.9/50.3
	4030009650	S.CER C1608 CH 1H 240J-T [A110EURO]	T	78.9/50.3
C539	4030007010	S.CER C1608 CH 1H 100D-T [A110]	T	81.3/47.1
	4030007030	S.CER C1608 CH 1H 150J-T [A110EURO]	T	81.3/47.1
C540	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/46.5
C541	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/18.5
C542	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/15.9
C543	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/12.9
C544	4030007150	S.CER C1608 CH 1H 151J-T	T	74.3/40.7
C545	4030007020	S.CER C1608 CH 1H 120J-T	T	79.3/39.5
C546	4030007000	S.CER C1608 CH 1H 090D-T	T	81.7/36.2
C547	4030009650	S.CER C1608 CH 1H 240J-T	T	79.3/36.6
C548	4030006860	S.CER C1608 JB 1H 102K-T	T	80.7/41.5
C549	4030016990	S.CER GRM32RR11H105KA01L	B	16.5/106.7
C550	4030006860	S.CER C1608 JB 1H 102K-T	T	14.4/113.5
C551	4030007090	S.CER C1608 CH 1H 470J-T	T	15.9/113.5
C552	4030007030	S.CER C1608 CH 1H 150J-T	T	105.1/59.5
C553	4550007260	S.TAN F931C475MAABMA	B	14.1/22.4
C554	4030017190	S.CER GRM31AR32J471KW01D	T	59.2/112.1
C555	4030009650	S.CER C1608 CH 1H 240J-T	B	95.1/49.5
C556	4030009650	S.CER C1608 CH 1H 240J-T	B	96.4/51.4
C557	4030004750	S.CER C2012 JB 1H 103K-T	B	33.7/58.5
C558	4030006860	S.CER C1608 JB 1H 102K-T	B	93.5/26.4
C559	4030007070	S.CER C1608 CH 1H 330J-T [A110EURO] only	B	33.6/60.1
C560	4030006850	S.CER C1608 JB 1H 471K-T [A110EURO] only	B	27.3/57.9
C561	4030006860	S.CER C1608 JB 1H 102K-T [A110EURO] only	B	26/57.9
C562	4030007070	S.CER C1608 CH 1H 330J-T [A110EURO] only	B	41.2/100.8
C563	4030006850	S.CER C1608 JB 1H 471K-T [A110EURO] only	B	42.2/99.8
C564	4030006860	S.CER C1608 JB 1H 102K-T [A110EURO] only	B	43.2/98.8
C565	4030007070	S.CER C1608 CH 1H 330J-T [A110EURO] only	B	56.4/82.9
C566	4030006850	S.CER C1608 JB 1H 471K-T [A110EURO] only	B	57.8/82.9
C567	4030006860	S.CER C1608 JB 1H 102K-T [A110EURO] only	B	59.2/82.9
C568	4030006850	S.CER C1608 JB 1H 471K-T [A110EURO] only	B	72/82.9
C569	4030004720	S.CER C2012 JB 1H 102K-T [A110EURO] only	B	40.2/97.2
C570	4030004710	S.CER C2012 JB 1H 471K-T [A110EURO] only	B	41.5/95.9

[MAIN UNIT]

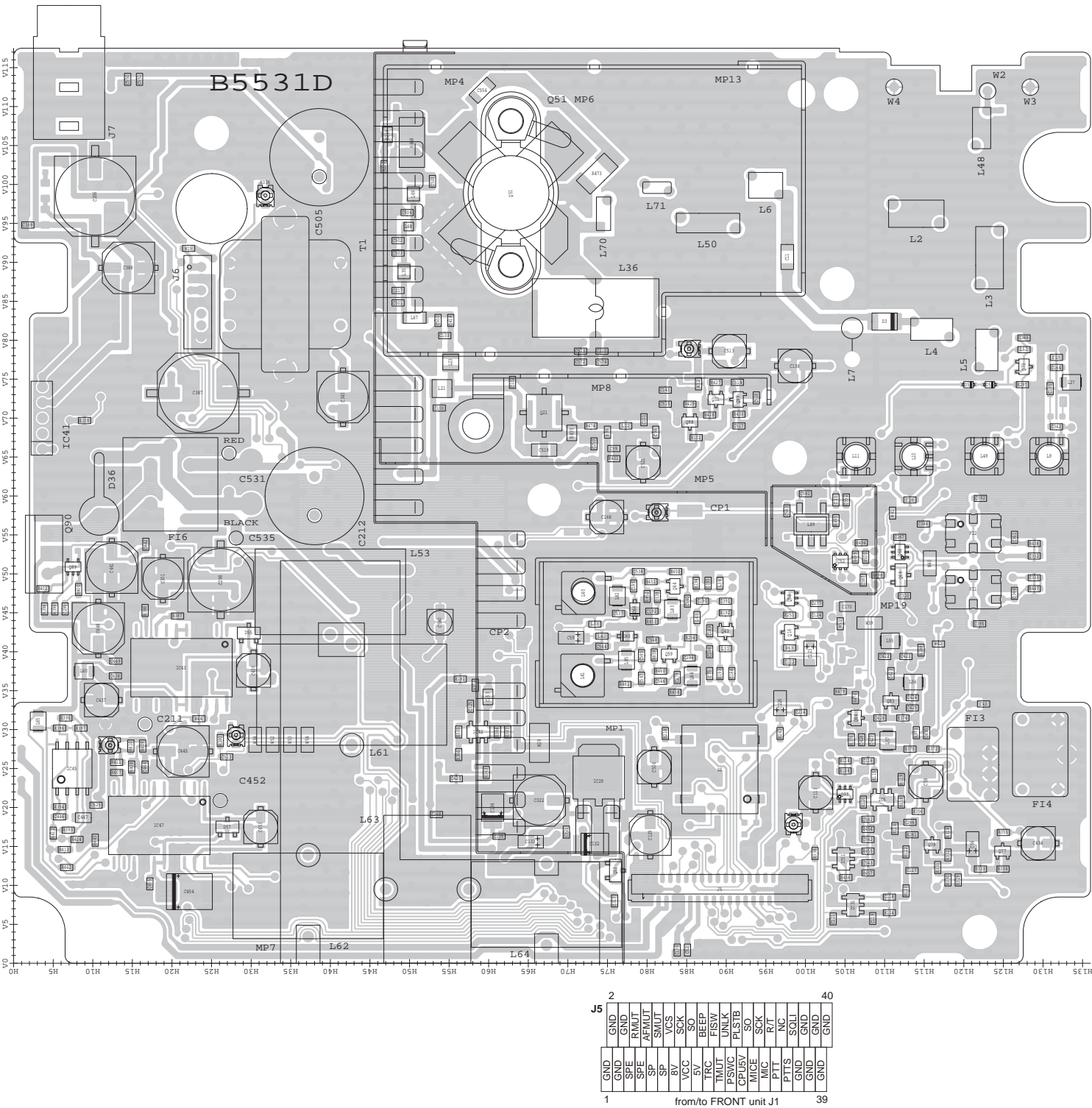
REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C571	4030005030	S.CER C2012 CH 1H 221J-T [A110EURO] only	B	42.8/94.6
C572	4030007170	S.CER C1608 CH 1H 221J-T [A110EURO] only	T	71.6/77.2
C573	4030007130	S.CER C1608 CH 1H 101J-T [A110EURO] only	T	71.6/78.6
C574	4030007090	S.CER C1608 CH 1H 470J-T [A110EURO] only	T	74.3/77.2
C575	4030017070	S.CER GRM32MR11H474KA01L	B	27.1/17.2
C577	4030006860	S.CER C1608 JB 1H 102K-T [A110EURO] only	B	95.3/11.5
C578	4030018910	S.CER C1608 JB 0J 475K-T	B	55.2/42.4
C579	4030006860	S.CER C1608 JB 1H 102K-T	B	54.5/44.6
C580	4510008490	S.ELE EEE1CS100SR	T	53.8/43.8
C581	4030008880	S.CER C1608 JB 1H 223K-T	B	49.3/37.6
C582	4030006900	S.CER C1608 JB 1H 103K-T	T	100/60.3
C583	4030006900	S.CER C1608 JB 1H 103K-T	T	97.6/58.1
C586	4030006900	S.CER C1608 JB 1H 103K-T	B	112.5/51.7
C587	4030006900	S.CER C1608 JB 1H 103K-T	T	107.3/49.2
C712	4030017200	S.CER GRM31BR32J102KY01L	B	26.5/11.3
C713	4030017200	S.CER GRM31BR32J102KY01L	B	40.8/2.7
C714	4030006860	S.CER C1608 JB 1H 102K-T	B	23.2/17.4
J5	6510020511	S.CNR FH12-40S-0.5SV (55)	T	89.2/9.5
J6	6510009401	CNR B7B-ZR (LF) (SN)		
J7	6450000140	CNR HSJ0807-01-010		
T1	5920000751	TSM ST-82 (P) FL		
W1	8900016080	CBL OPC-905A [AUS] only		
W2	7120000470	JMP ERDS2T0		
W3	7120000470	JMP ERDS2T0		
W4	7120000470	JMP ERDS2T0		
W15	7030003860	S.RES ERJ3GE JPW V	T	22.1/91.8
W25	7030003860	S.RES ERJ3GE JPW V [GEN], [GEN-1] only	B	114/32.2
W28	7030003860	S.RES ERJ3GE JPW V [GEN], [GEN-1] only	B	127.5/20.4
W29	7030007150	S.RES MCR50JZHJ JPW (000)	T	66.4/28.3
W32	7030003860	S.RES ERJ3GE JPW V	T	86.5/74.4
W33	7030003860	S.RES ERJ3GE JPW V	B	6.9/26.5
W34	7030003970	S.RES MCR18EZHJ JPW	T	30.5/28.7
W35	7030007150	S.RES MCR50JZHJ JPW (000)	B	45.1/52.1
W38	7030000010	S.RES MCR10EZHJ JPW (000)	B	78.5/22.9
W39	7030003970	S.RES MCR18EZHJ JPW	T	108.1/43.7
W40	7030003970	S.RES MCR18EZHJ JPW	T	115.7/51.3
W41	7030003860	S.RES ERJ3GE JPW V	T	111/57.8
W42	7030003860	S.RES ERJ3GE JPW V	T	116.8/41
W43	7030003860	S.RES ERJ3GE JPW V	B	26.7/37.9
W44	7030003860	S.RES ERJ3GE JPW V	T	23.4/31.4
W47	7030000010	S.RES MCR10EZHJ JPW (000)	B	81.9/27.4
W48	7030003970	S.RES MCR18EZHJ JPW	B	92.9/31.2
W49	7030007150	S.RES MCR50JZHJ JPW (000)	B	67.7/30.4
W51	7030003860	S.RES ERJ3GE JPW V	T	104.4/43.6
W52	7030003970	S.RES MCR18EZHJ JPW [A110EURO] only	T	32.7/28.7
W53	7030003970	S.RES MCR18EZHJ JPW [A110EURO] only	T	34.9/28.7
W54	7030003970	S.RES MCR18EZHJ JPW [A110EURO] only	T	37.1/28.7
EP2	6910013270	BEA 2643-625002		
EP3	9040901901	TUB IRRAX 0.7 (d) L=12 mm		
EP4	9040901901	TUB IRRAX 0.7 (d) L=12 mm		
EP5	6910010220	BEA HF70BB3.5X5X1.3 [A110EURO]		
EP6	9025608001	TUB IRRAX 1 (d) L=7 mm		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

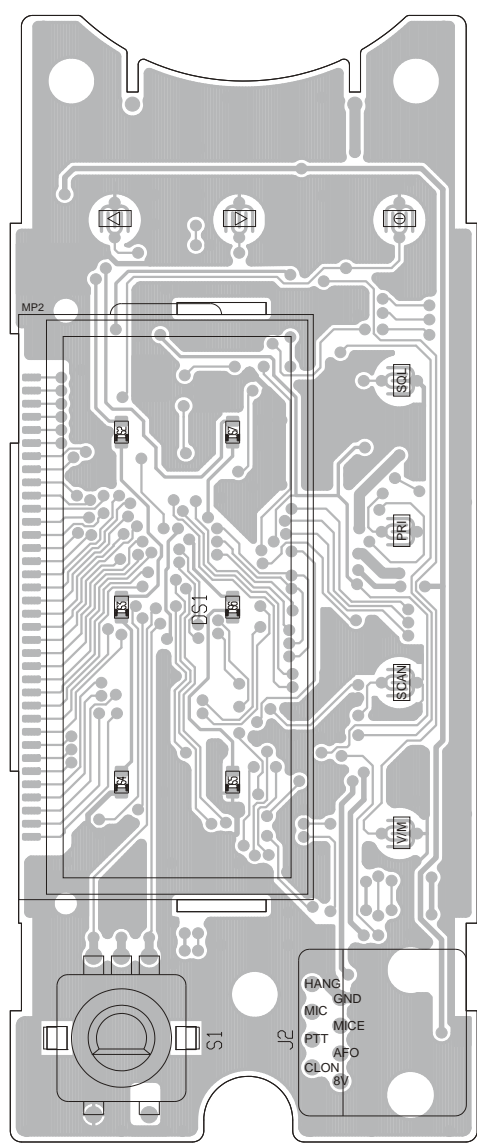
BOARD LAYOUTS

The combination of this side and the bottom side shows the unit layout in the same configuration as the actual P.C. Board.

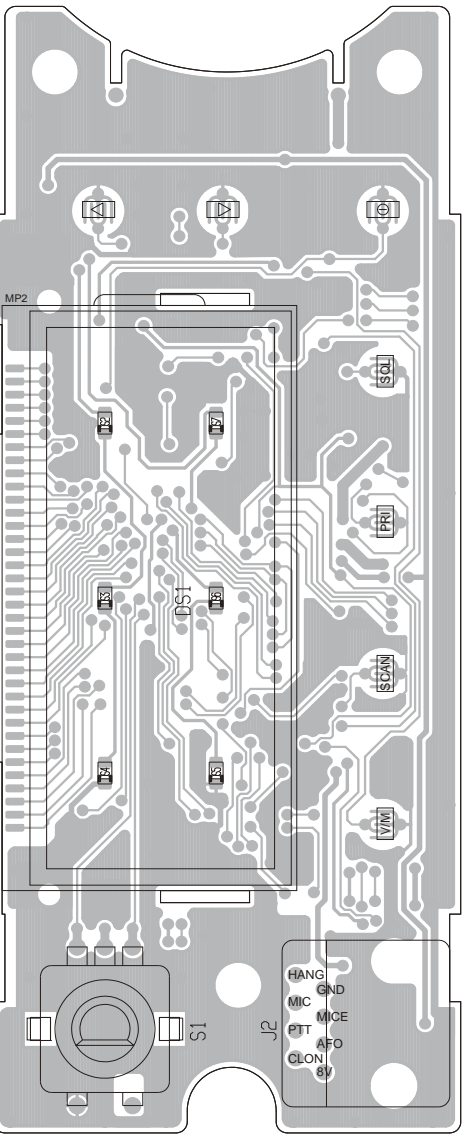
• MAIN UNIT (A110/A110EURO)
(TOP VIEW)



• FRONT UNIT (A110)
(TOP VIEW)

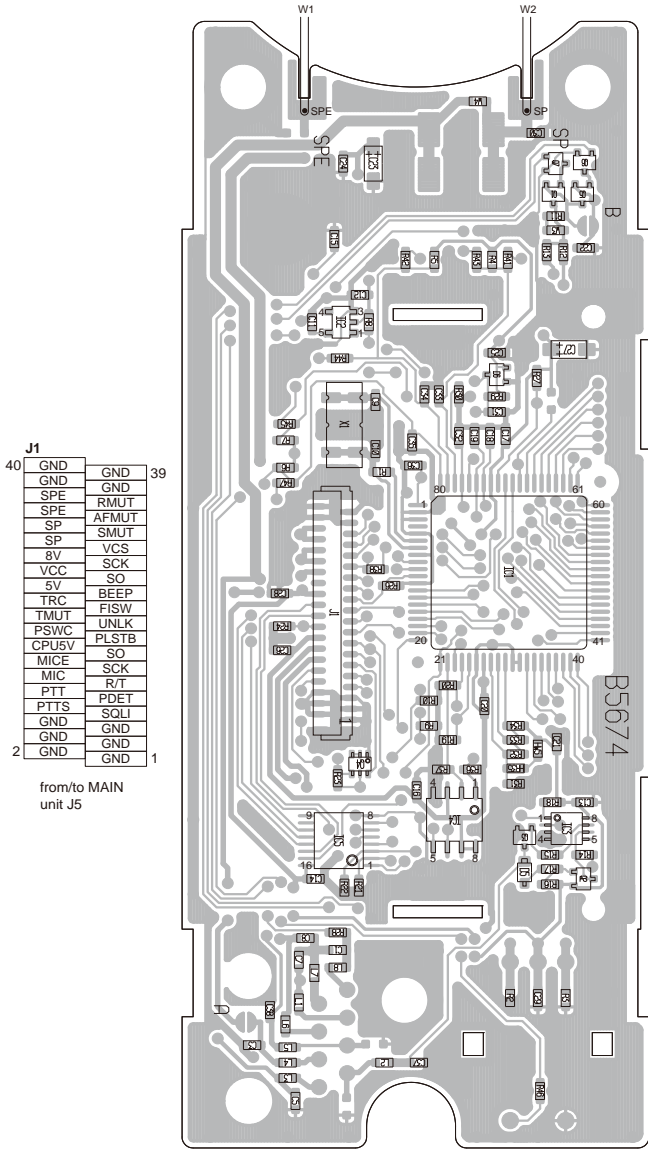


• FRONT UNIT (A110EURO)
(TOP VIEW)

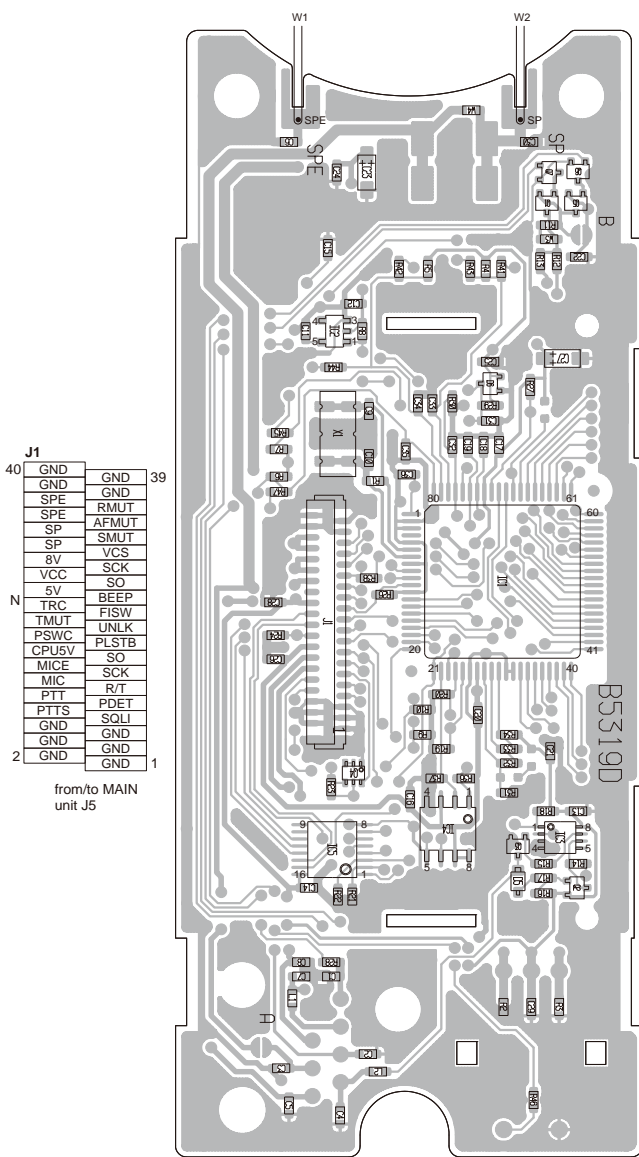


The combination of this side and the bottom side shows the unit layout in the same configuration as the actual P.C. Board.

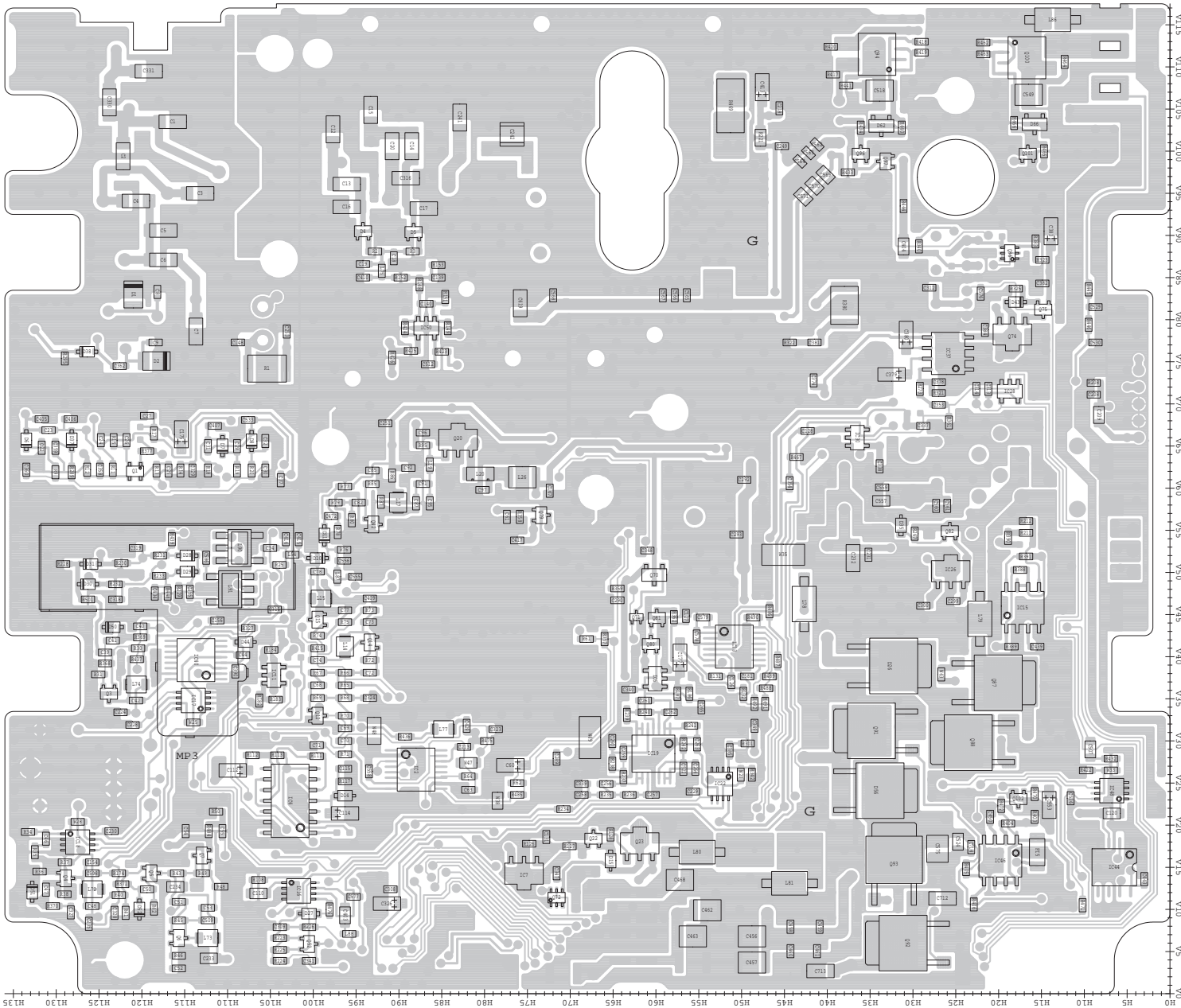
• FRONT UNIT (A110EURO)
(BOTTOM VIEW)



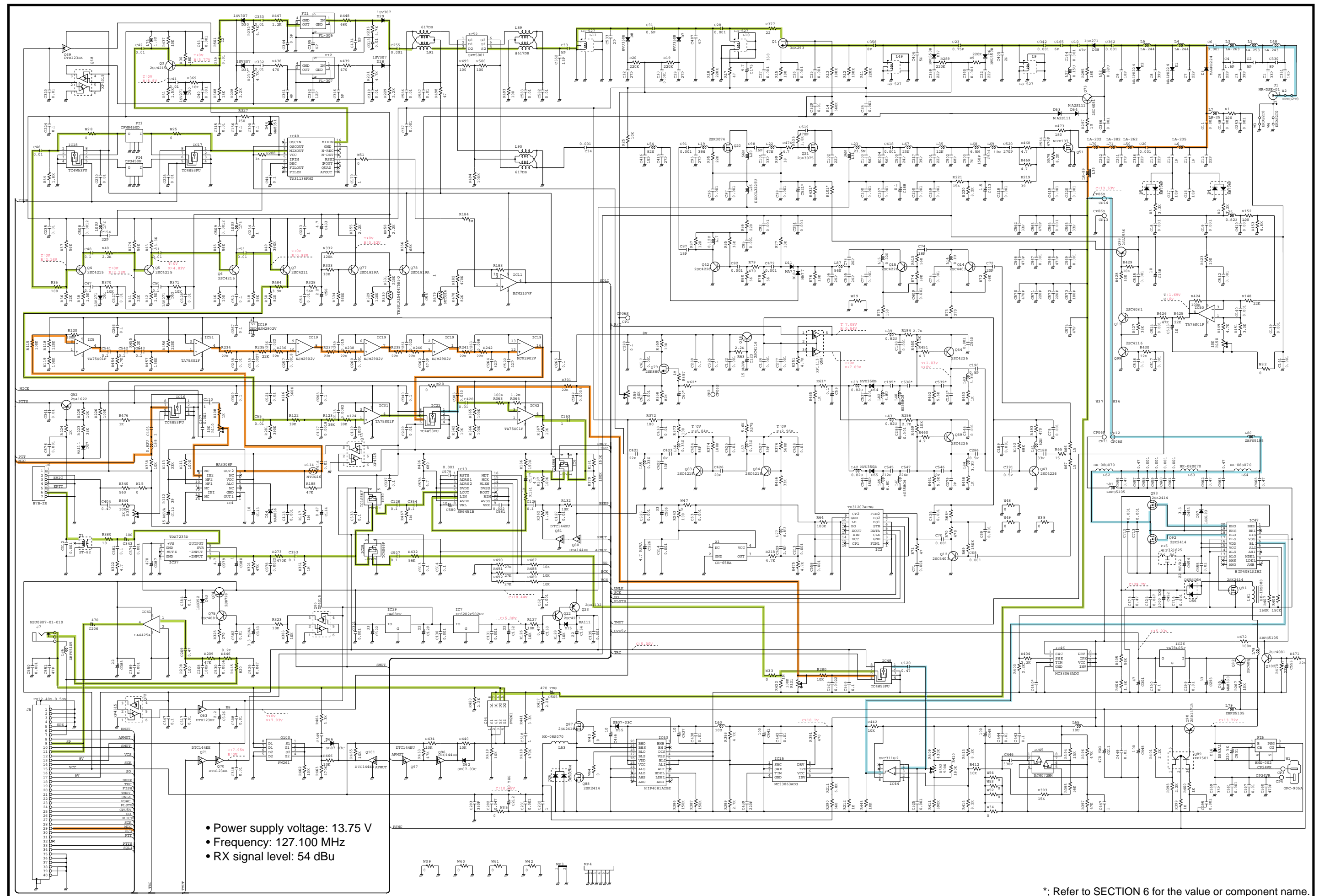
• FRONT UNIT (A110)
(BOTTOM VIEW)



• MAIN UNIT (A110/A110EURO)
(BOTTOM VIEW)



VOLTAGE DIAGRAM



Sep. 2006



SERVICE MANUAL ADDENDUM

IC-A110 IC-A110EURO

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PARTS LIST

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	.
IC1	1140008780	S.IC HD6433823A19D	except [EUR], [EUR-1]
	1140009830	S.IC HD6433823A80D	[EUR], [EUR-1]
IC2	1110005771	S.IC S-80942CNMC-G9CT2G	
IC3	1130007111	S.IC TC7W04FU	
IC4	1130011321	S.IC CAT25C16VI-TE13	
IC5	1130007570	S.IC BU4094BCFV-E2	
Q1	1590000440	S.TR DTA143ZUA T106	
Q2	1510000881	S.TR 2SA1622-6-TL-E	
Q3	1530003281	S.TR 2SC4211-6-TL-E	
Q4	1590001980	S.TR XP4315 (TX)	
Q5	1590000440	S.TR DTA143ZUA T106	
Q6	1590000680	S.TR DTC114EUA T106	
Q7	1590000680	S.TR DTC114EUA T106	
D5	1790001280	S.DIO MA111 (TX)	
D6	1750000130	S.DIO DA204U T106	
X1	6060000770	S.CER EFOP3684E5	
L1	6200003960	S.COL MLF1608A 1R0K-T	except [EUR], [EUR-1]
L2	6200003540	S.COL MLF1608D R22K-T	except [EUR], [EUR-1]
R1	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	
R2	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R3	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R4	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R5	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R6	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R7	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R8	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	
R9	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R10	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R11	7030003370	S.RES ERJ3GEYJ 271 V (270)	
R12	7030003350	S.RES ERJ3GEYJ 181 V (180)	
R13	7030003350	S.RES ERJ3GEYJ 181 V (180)	
R14	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	
R15	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	
R16	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)	
R17	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	
R18	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R19	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R20	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R21	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R22	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R23	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R24	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R26	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R27	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R28	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	
R29	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R30	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	
R31	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	
R32	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	
R33	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	
R34	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	
R36	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	
R37	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R38	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	
R41	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	
R42	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	
R43	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R44	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R45	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
R46	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	
R47	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	
C1	4030006860	S.CER C1608 JB 1H 102K-T	
C2	4030006860	S.CER C1608 JB 1H 102K-T	
C3	4030007090	S.CER C1608 CH 1H 470J-T	
C4	4030007090	S.CER C1608 CH 1H 470J-T	
C5	4030006860	S.CER C1608 JB 1H 102K-T	
C6	4030007090	S.CER C1608 CH 1H 470J-T	
C7	4030006850	S.CER C1608 JB 1H 471K-T	
C8	4030006850	S.CER C1608 JB 1H 471K-T	
C9	4030008560	S.CER C1608 CH 1H 300J-T	
C10	4030008560	S.CER C1608 CH 1H 300J-T	
C11	4030008890	S.CER C1608 JB 1H 273K-T	
C12	4030011600	S.CER C1608 JB 1E 104K-T	
C13	4030011600	S.CER C1608 JB 1E 104K-T	
C14	4030011600	S.CER C1608 JB 1E 104K-T	
C15	4030007090	S.CER C1608 CH 1H 470J-T	
C16	4030011600	S.CER C1608 JB 1E 104K-T	
C17	4030011600	S.CER C1608 JB 1E 104K-T	
C18	4030006860	S.CER C1608 JB 1H 102K-T	
C19	4030006860	S.CER C1608 JB 1H 102K-T	

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	.
C20	4030011600	S.CER C1608 JB 1E 104K-T	
C21	4030006860	S.CER C1608 JB 1H 102K-T	
C22	4030011600	S.CER C1608 JB 1E 104K-T	
C23	4550006480	S.TAN TEESVA 1C 475M8R	
C24	4030011600	S.CER C1608 JB 1E 104K-T	
C25	4030011600	S.CER C1608 JB 1E 104K-T	
C26	4030011600	S.CER C1608 JB 1E 104K-T	
C27	4550006250	S.TAN TEESVA 1A 106M8R	
C28	4030006860	S.CER C1608 JB 1H 102K-T	
C29	4030006860	S.CER C1608 JB 1H 102K-T	
C30	4030006890	S.CER C1608 JF 1H 103Z-T	[EUR], [EUR-1] except [EUR], [EUR-1]
	4030007090	S.CER C1608 CH 1H 470J-T	
C31	4030006860	S.CER C1608 JB 1H 102K-T	
C32	4030006860	S.CER C1608 JB 1H 102K-T	
C33	4030006860	S.CER C1608 JB 1H 102K-T	
C34	4030006860	S.CER C1608 JB 1H 102K-T	
C35	4030006860	S.CER C1608 JB 1H 102K-T	
C36	4030006860	S.CER C1608 JB 1H 102K-T	
C37	4030007090	S.CER C1608 CH 1H 470J-T	[EUR], [EUR-1] only
C38	4030006860	S.CER C1608 JB 1H 102K-T	[EUR], [EUR-1] only
J1	6510020511	S.CNR FH12-40S-0.5SV (55)	
J2	6450001470	CNR 95003-2881	
DS1	5030001740	LCD HLC7453-012400	
DS2	5040002030	S.LED CL-170Y-CD-T	
DS3	5040002030	S.LED CL-170Y-CD-T	
DS4	5040002030	S.LED CL-170Y-CD-T	
DS5	5040002030	S.LED CL-170Y-CD-T	
DS6	5040002030	S.LED CL-170Y-CD-T	
DS7	5040002030	S.LED CL-170Y-CD-T	
S1	2250000420	ECR EVQB2CFC620B	
SP1	2510000881	SP SME-C45W0819	
W1	7120000470	JMP ERDS2T0	
W2	7120000470	JMP ERDS2T0	
W3	7030003860	S.RES ERJ3GE JPW V	
W4	7030003860	S.RES ERJ3GE JPW V	
W6	8900007682	CBL OPC-741A-1 (P0.5,N40,L55)	
EP2	8930037960	LCT SRCN-1705 ZSS	

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1130008831	S.IC TB31207AFNG (EL)	B	88.26/6
IC4	1110003670	S.IC BA3308F-E2	B	102.7/22.9
IC5	1110002751	S.IC TA75S01F	T	109.7/21
IC6	1130004201	S.IC TC4S66F	B	60.1/37.4
IC7	1110006090	S.IC XC6202P502PR	B	75.4/14.3
IC11	1110002400	S.IC NJM2107F-TE1	B	104.6/37.8
IC13	1130008370	S.IC TC920F (HR)	B	50.8/41.2
IC15	1110005011	S.IC MC33063ADR2G	B	17.2/45.8
IC16	1130006221	S.IC TC4W53FU	[], []	101.7/12.2
IC17	1130006220	S.IC TC4W53FU (TE12L)	B	114/34.8
		[USA], [USA-1], [EUR], [EUR-1]		
IC18	1130006220	S.IC TC4W53FU (TE12L)	B	127.5/18
		[USA], [USA-1], [EUR], [EUR-1]		
IC19	1110003780	S.IC NJM2902V-TE1	B	60.3/28.5
IC22	1130006221	S.IC TC4W53FU	B	52.5/24.9
IC26	1180000421	S.IC TA78L05F (TE12R,F)	B	25.6/50.1
IC28	1130004201	S.IC TC4S66F	B	18.7/71.5
IC29	1180002010	S.REG BA08FP-E2	T	73.9/22.6
IC30	1130004201	S.IC TC4S66F	B	36.5/66
IC31	1110002751	S.IC TA75S01F	T	106/7.5
IC37	1110003250	S.IC TDA7233D	B	25.9/76
IC40	1110003201	S.IC TA31136FNG (EL)	B	113.7/39.6
IC41	1110003091	IC LA4425A-E		
IC42	1110002751	S.IC TA75S01F	T	58.7/29.7
IC43	1190001211	S.IC HIP4081AIBZ-T	T	21.2/37.9
IC44	1110005131	S.IC µPC311G2-E2-A	B	6.5/15
IC45	1110005100	S.IC NJM072BM-TE1	T	7.4/25
IC46	1110005011	S.IC MC33063ADR2G	B	20.3/15.8
IC47	1190001211	S.IC HIP4081AIBZ-T	T	18.4/17.7
IC48	1130006221	S.IC TC4W53FU	B	6.8/24.1
IC50	1110002751	S.IC TA75S01F	B	86.8/79
IC51	1110002751	S.IC TA75S01F	T	104.8/13.4
IC52	1190002051	S.IC SPM5001-TL-E	T	104.4/51.6
Q1	1580000731	S.FET 3SK293 (TE85L,F)	B	120.8/62
Q3	1530002601	S.TR 2SC4215-O	B	123.8/35.6
Q4	1530002601	S.TR 2SC4215-O	B	128.9/13.7
Q5	1530002601	S.TR 2SC4215-O	B	118.9/14.3
Q6	1530002601	S.TR 2SC4215-O	B	115.7/6.6
Q7	1530003281	S.TR 2SC4211-6-TL-E	B	113/16.4
Q12	1530002561	S.TR 2SC4403-3-TL-E	B	99.5/33
Q14	1530002561	S.TR 2SC4403-3-TL-E	B	93.4/41.7
Q15	1530002930	S.TR 2SC4228 (M) -T1 R45	B	99.5/44.4
Q16	1530002851	S.TR 2SC4116-BL	T	98/42.5
Q20	1560001101	S.FET 2SK3074	B	83.1/65.7
Q21	1560001061	S.FET 2SK3075 (TE12L,Q)	T	67/70.7
Q22	1530003281	S.TR 2SC4211-6-TL-E	B	67.3/18.4
Q23	1520000460	S.TR 2SB1132 T100 R	B	61.9/17.8
Q33	1590001980	S.TR XP4315 (TX)	T	105/21.7
Q42	1530002560	S.TR 2SC4403-3-TL	[GEN-1]	93/55.7
	1530002920	S.TR 2SC4226-T1 R25	except [GEN-1]	93/55.7
Q43	1530002920	S.TR 2SC4226-T1 R25	T	89.9/42.6
Q44	1530002920	S.TR 2SC4226-T1 R25	T	83.5/48.4
Q51	1590002841	FET MRF137 (M/A COM)	T	62.8/98.9
Q52	1510000881	S.TR 2SA1622-6-TL-E	B	100.5/5.9
Q53	1590000980	S.TR DTB123EK T146	T	76/11.9
Q58	1590001810	S.TR XP1113 (TX)	T	98/46.9
Q59	1530002920	S.TR 2SC4226-T1 R25	T	82.8/39.7
Q68	1590001980	S.TR XP4315 (TX)	T	111.9/52.8
Q69	1590000980	S.TR DTB123EK T146	T	112/49.8
Q70	1590000980	S.TR DTB123EK T146	B	60.2/49.7
Q71	1590001940	S.TR DTC144EE TL	B	62.3/44.7
Q72	1590001980	S.TR XP4315 (TX)	B	71.6/11.4
Q73	1530002060	S.TR 2SC4081 T106 R	T	127.6/76.6
Q74	1520000201	S.TR 2SB798-T2-AZ DK	B	18.4/78.3
Q75	1530002060	S.TR 2SC4081 T106 R	B	14.8/81.2
Q77	1540000520	S.TR 2SD1819A (TX) R	T	124.9/14.4
Q78	1540000520	S.TR 2SD1819A (TX) R	T	116/15.2
Q79	1560000531	S.FET 2SK880-GR	B	73.4/56.8
Q80	1590000720	S.TR DTA144EUA T106	B	60.6/41.5
Q81	1590000430	S.TR DTC144EUA T106	B	59.9/44.6
Q82	1530002280	S.TR 2SC4081 T106 S	B	25.7/54.9
Q83	1530002381	S.TR 2SC4215-Y	T	110.8/33.7
Q84	1530002381	S.TR 2SC4215-Y	T	106.4/31.5
Q86	1590001980	S.TR XP4315 (TX)	B	18.7/87.9
Q87	1560001121	S.FET 2SK2414-Z-E1-AZ	B	18.3/36.9
Q88	1560001121	S.FET 2SK2414-Z-E1-AZ	B	25.3/29.8
Q89	1590001170	S.TR XP1501-(TX).AB	T	7.5/50.9
Q90	1510001020	TR 2SA1471R		
Q91	1560001121	S.FET 2SK2414-Z-E1-AZ	B	36.6/31.2
Q92	1560001121	S.FET 2SK2414-Z-E1-AZ	B	32.9/6
Q93	1560001121	S.FET 2SK2414-Z-E1-AZ	B	31.8/17.6
Q94	1590003820	S.FET FW261-TL-E	B	34.2/111.5
Q96	1590000430	S.TR DTC144EUA T106	B	36.1/99.7
Q97	1590000430	S.TR DTC144EUA T106	B	33.2/98.8
Q98	1510000771	S.TR 2SA1586-GR	T	85.4/69.5
Q99	1530002851	S.TR 2SC4116-BL	T	91.5/72.4
Q100	1590003820	S.FET FW261-TL-E	B	16.7/111.1
Q101	1590000430	S.TR DTC144EUA T106	B	16.6/99.7
Q102	1530002280	S.TR 2SC4081 T106 S	B	17.7/23.1
D1	1750000510	S.DIO UM9401F	B	121/83
D2	1750000510	S.DIO UM9401F	B	118.3/75.1
D3	1750000510	S.DIO UM9401F	T	110/82.4
D4	1790001670	S.DIO RB706F-40T106	B	94.2/90.5

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D5	1790001670	S.DIO RB706F-40T106	B	88.3/90.4
D6	1720000781	S.VCP HVU350BTRF-E	B	133.5/65.7
D7	1720000781	S.VCP HVU350BTRF-E	B	110.6/65
D8	1720000781	S.VCP HVU350BTRF-E	B	107.2/65.6
D10	1790000620	S.DIO MA77 (TX)	B	99.5/51.7
D11	1790000620	S.DIO MA77 (TX)	B	98.7/54.4
D14	1790001330	S.ZEN MA8036-L (TX)	B	96.3/23.5
D15	1790001280	S.DIO MA111 (TX)	B	65.3/15.8
D26	1790001341	S.DIO DE5SC6M-7061	B	30.5/38.9
D27	1790001280	S.DIO MA111 (TX)	B	100.5/9.5
D28	1750000580	S.DIO 1SV307 (TPH3)		
		[USA], [USA-1], [EUR], [EUR-1]		
D29	1750000581	S.DIO 1SV307 (TPH3,F)	B	114.7/52
D30	1750000581	S.DIO 1SV307 (TPH3,F)	B	114.7/50.1
D31	1750000580	S.DIO 1SV307 (TPH3)	B	126.3/48.6
		[USA], [USA-1], [EUR], [EUR-1]		
D35	1730002460	S.ZEN MA8330-M (TX)	B	126/51
D36	1790000700	DIO DSA3A1	B	31.4/55.6
D37	1720000781	S.VCP HVU350BTRF-E	B	128.2/65.7
D38	1750000531	S.DIO 1SV271 (TPH3,F)	B	126.4/76.2
D43	1750000261	S.DIO 1SS352 (TPH3,F)	B	18/82.1
D44	1730002320	S.ZEN MA8051-M (TX)	B	107.9/41.7
D50	1750000531	S.DIO 1SV271 (TPH3,F)	B	123.4/43.5
D51	1750000531	S.DIO 1SV271 (TPH3,F)	B	132.8/12.1
D52	1750000531	S.DIO 1SV271 (TPH3,F)	B	120.3/10
D53	1790001250	S.DIO MA2S111-(TX)	T	120.6/74.3
D54	1790001250	S.DIO MA2S111-(TX)	T	123.3/74.3
D55	1790000671	S.DIO SB07-03C-TB-E	T	29.7/42.4
D56	1790001341	S.DIO DE5SC6M-7061	B	32.1/24.1
D57	1750000051	S.DIO 1SS193	T	27/17.5
D62	1790000671	S.DIO SB07-03C-TB-E	B	33.7/103
D64	1720000781	S.VCP HVU350BTRF-E	T	78.4/45.4
D65	1720000781	S.VCP HVU350BTRF-E	T	77.5/42
D66	1790000671	S.DIO SB07-03C-TB-E	B	15.8/103.2
F11	2010002400	S.MLH FL-306 (38.850 MHz)	T	121.2/48
F12	2010002410	S.MLH FL-307 (38.850 MHz)		
		[USA], [USA-1], [EUR], [EUR-1]		
F13	2020001540	CER CFWLB450KDA-B0 (CFWM450D)	T	121.2/55.2
F14	2020001660	CER CFG450H		
		[USA], [USA-1], [EUR], [EUR-1]		
F15	4580000110	S.FIL ACF321825-223-T	B	15.7/16.9
F16	2040000500	LC BNX-002-01		
X1	6050010830	S.XTL CR-657 [GEN-1], [USA], [USA-1]	T	89.2/24.9
	6050010831	S.XTL CR-657A (12.8 MHz) [GEN], [AUS]	T	89.2/24.9
	6050010840	S.XTL CR-658 [EUR], [EUR-1]	T	89.2/24.9
L2	6110001670	COL LA-253		
L3	6110001740	COL LA-263		
L4	6110001610	COL LA-244		
L5	6110001610	COL LA-244		
L6	6110001550	COL LA-235		
L7	6170000230	COL LW-25		
L8	6200003350	S.COL ELJNC R27K-F		
L9	6150005001	S.COL LS-527-LF	T	130.8/65.1
L10	6150005001	S.COL LS-527-LF	T	113.7/65.1
L11	6150005001	S.COL LS-527-LF	T	106.4/65.1
L12	6200002710	S.COL ELJFC 1R8K-F		
L14	6200001630	S.COL ELJNC R10K-F	B	96.3/41.2
L15	6200003300	S.COL ELJNC R22K-F	B	99.1/46.9
L17	6200002150	S.COL ELJNC 56NK-F	B	90.1/58.3
	6200003290	S.COL ELJNC R12K-F	except [GEN-1]	90.1/58.3
L19	6200005731	S.COL ELJRE 39NGFA	B	86.4/62.8
L20	6200002380	S.COL LQW31HN56NJ03L	B	80.5/61.7
L21	6200008400	S.COL 0.35-1.6-6TL 36N	T	54.1/73.8
L22	6200005741	S.COL ELJRE 47NGFA	T	77.3/69
L23	6200008480	S.COL 0.30-1.4-5TR 25N	T	55.2/77.2
L26	6200003590	S.COL EXCCL3225U1	B	75.6/61.3
L27	6200001920	S.COL ELJNC R15K-F	T	133.6/74.6
L31	6200007001	S.COL ELJRE 82NGFA	T	89.9/40.4
L33	6200004480	S.COL MLF1608D R82K-T	T	73.4/43.5
L35	6200008270	S.COL 0.26-1.0-5TL 17N	T	49.3/88.8
L36	6140000670	COL LR-89		
L39	6200004480	S.COL MLF1608D R82K-T	T	89.2/48.8
L40	6200009081	S.COL #E558CN-100025=P3	T	71.9/47.5
L41	6200004851	S.COL #E558CN-100024=P3	T	71.8/36.9
L42	6200004480	S.COL MLF1608D R82K-T	T	74.3/42
L43	6200004480	S.COL MLF1608D R82K-T	T	86.3/44.4
L48	6110001600	COL LA-243		
L49	6150005001	S.COL LS-527-LF	T	122.6/65.1
L50	6110001730	COL LA-262		
L52	6200004480	S.COL MLF1608D R82K-T	T	127.6/78.8
L53	6190001500	COL HK-08S070-1310		
L54	6200007001	S.COL ELJRE 82NGFA	B	102.4/52.1
L55	6200003310	S.COL ELJFC R33M-F	T	110.7/41.4
L56	6200003310	S.COL ELJFC R33M-F	T	113.6/36.1
L57	6200003310	S.COL ELJFC R33M-F	T	110.4/28.6
L60	6200005011	S.COL NLV25T-100J	T	8.9/37.5
L61	6190001510	COL HK-10S080-1210		
L62	6190001500	COL HK-08S070-1310		
L63	6190001500	COL HK-08S070-1310		
L64	6190001500	COL HK-08S070-1310		
L65	6200005011	S.COL NLV25T-100J	T	3.1/31.1
L67	6200008760	S.COL 0.26-0.9-9TR 30N	T	50.6/82.9

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L68	6200009120	S.COL 0.20-0.7-4TR 8.8N	T	49.9/94.6
L69	6200008270	S.COL 0.26-1.0-5TL 17N	T	50.5/98.8
L70	6110001520	COL LA-232		
L71	6110002110	COL LA-382		
L72	6200002041	S.COL NLV25T-101J	B	125.8/12.4
L73	6200002041	S.COL NLV25T-101J	B	112.3/6.6
L74	6200002710	S.COL ELJFC 1R8K-F	B	120.6/36.7
L75	6200004480	S.COL MLF1608D R82K-T	B	92/85.8
L77	6200009141	S.COL NLV25T-6R8J	B	84.8/31.4
L78	6190001690	S.COL ZBFS5105-PT-01	B	42.7/46.2
L79	6190001690	S.COL ZBFS5105-PT-01	B	22.2/44.5
L80	6190001690	S.COL ZBFS5105-PT-01	B	55.2/16.8
L81	6190001690	S.COL ZBFS5105-PT-01	B	44.4/13.1
L82	6200004450	S.COL ELJFC 6R8M-F	T	76.2/47.1
L83	6200004880	S.COL ELJFC 3R3K-F	T	83.2/45.5
L84	6200004880	S.COL ELJFC 3R3K-F	T	85.7/36.9
L85	6200004450	S.COL ELJFC 6R8M-F	T	77.4/38.9
L86	6190001690	S.COL ZBFS5105-PT-01	B	13.7/115.6
L87	6200006991	S.COL ELJRE 56NGFA	B	97.2/49.5
L88	6200004480	S.COL MLF1608D R82K-T	B	95.8/7.1
L89	6130002961	S.COL #617DB-1327=P3	T	100.7/56.3
L90	6130003000	S.COL #617DB-1714=P3	B	108.6/52.9
L91	6130003000	S.COL #617DB-1714=P3	B	109.7/48
R1	7030006070	S.RES ERJ12YJ101U (100)	B	105.4/74.2
R2	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	92.8/88.1
R3	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	88.4/88.1
R9	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	130.1/61.9
R11	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	123.4/62.2
R12	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	126.4/62.2
R13	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	118.3/62.1
R14	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	B	115.5/62.1
R15	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	123.3/65.7
R17	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	118.6/66.5
R18	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	112.3/62.1
R19	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	108.9/62.1
R20	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	B	107.2/62.1
R21	7030003640	S.RES ERJ3GEYJ 473 V (47 k)		
R25	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	103.9/50.9
R30	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	B	120.4/41
R31	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	125.1/37.9
R34	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	133.3/19.2
R35	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	132.5/16.8
R36	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	131.9/14.5
R37	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	129/15.6
R38	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	129/11.8
R40	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	122.7/11.7
R41	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	121.9/9.6
R42	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	118.6/10.1
R43	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	115.9/14.3
R45	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	115.7/8.7
R46	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	115.7/4.5
R48	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	110.7/12.7
R49	7030003750	S.RES ERJ3GEYJ 394 V (390 k)	B	112.9/14.3
R50	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	111.3/21.6
R59	7310004660	S.TRI EVM-2WSX80 B54 (503)	T	81.2/57.9
R61	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	B	68.1/42.1
R62	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	76.2/25
R63	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	98/40.5
R64	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	81.9/25.8
R65	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/36.6
R66	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	96.3/38.1
R67	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	99.5/38.1
R68	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	96.3/35.1
R69	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	B	99.5/35.1
R70	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	96.3/33
R71	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	96.3/28.4
R72	7030003660	S.RES ERJ3GEYJ 683 V (68 k)	B	93.4/39.6
R73	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	93.4/45.5
R74	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	B	99.5/42.5
R75	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	96.3/44.1
R76	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	96.4/52.7
R77	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	96.3/60.2
R78	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	97.1/54.8
R79	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	97.4/58.3
R80	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	95.5/56.2
R85	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	93.1/60.5
R86	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	90.8/61.5
R87	7030003330	S.RES ERJ3GEYJ 121 V (120)	B	92.1/58.4
R95	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	87.2/65.1
R99	7030003270	S.RES ERJ3GEYJ 390 V (39)	T	75/68.2
R101	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	86.2/67.5
R108	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	106.4/13.5
R110	7310004530	S.TRI EVM-2WSX80 B14 (103)	T	98.5/17.8
R111	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	99.6/28.2
R112	7030003270	S.RES ERJ3GEYJ 390 V (39)	B	107.1/28.3
R113	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	104.2/28.3
R114	7510001571	S.TMR NTCG16 4LH 104JT	T	105/26
R115	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	108.7/24.1
R116	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	T	111.3/17.3
R117	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	96.3/25.2
R118	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	112.1/20.7
R119	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	112.1/23.6
R120	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	107.3/20.7
R121	7310004610	S.TRI EVM-2WSX80 B15 (104)	T	28.1/29.3
R122	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	112.7/14.3

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
R123	7030003630	S.RES	ERJ3GEYJ 393 V (39 k)	T	112.7/9.3
R124	7030003630	S.RES	ERJ3GEYJ 393 V (39 k)	T	110.6/6.5
R126	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	74.8/17.8
R127	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	70.1/17.5
R128	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	65.3/18.9
R131	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	B	53/37.6
R132	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	49.8/35.6
R148	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	87.6/84.2
R149	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	B	84.3/79
R150	7310004530	S.TRI	EVM-2WSX80 B14 (103)	T	85.3/78.9
R151	7030003500	S.RES	ERJ3GEYJ 332 V (3.3 k)	B	B
84.6/82.7					
R152	7030003320	S.RES	ERJ3GEYJ 101 V (100)	B	89.8/85
R153	7030003540	S.RES	ERJ3GEYJ 682 V (6.8 k)	B	85.4/86.5
R174	7030003650	S.RES	ERJ3GEYJ 563 V (56 k)	B	122.7/14.3
R181	7030003700	S.RES	ERJ3GEYJ 154 V (150 k)	T	56.4/36.5
R182	7030003760	S.RES	ERJ3GEYJ 474 V (470 k)	B	106.3/34.8
R183	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)	B	104.4/34.9
R184	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)	B	104.9/40.8
R186	7030003700	S.RES	ERJ3GEYJ 154 V (150 k)	B	56.1/35.6
R187	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	B	57.5/35.6
R188	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	105/24.7
R192	7030003660	S.RES	ERJ3GEYJ 683 V (68 k)	T	89.9/45
R193	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	89.2/37.2
R194	7030003490	S.RES	ERJ3GEYJ 272 V (2.7 k)	T	86.2/48.8
R208	7030003320	S.RES	ERJ3GEYJ 101 V (100)	B	8.9/72.5
R209	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	8.9/69.7
R211	7030003540	S.RES	ERJ3GEYJ 682 V (6.8 k)	B	16.8/54.7
R212	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	B	16.8/56.1
R218	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	T	82.3/29.5
R219	7030000210	S.RES	MCR10EZHU 391 (390)	T	47.2/106.4
R220	7030003550	S.RES	ERJ3GEYJ 822 V (8.2 k)	T	46.8/102.3
R221	7030000520	S.RES	MCR10EZHU 15 k	B	47.8/101.6
R223	7030003620	S.RES	ERJ3GEYJ 333 V (33 k)	B	103.9/61.6
R224	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	B	103.9/3.9
R225	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	103.9/5.2
R226	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	B	100.5/7.9
R228	7030003480	S.RES	ERJ3GEYJ 222 V (2.2 k)	B	129.2/51
R229	7030003480	S.RES	ERJ3GEYJ 222 V (2.2 k)	B	115.7/47.7
R230	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)		
R231	7030003520	S.RES	[USA], [USA-1], [EUR], [EUR-1] ERJ3GEYJ 472 V (4.7 k)	B	122.4/51.1
R232	7030003520	S.RES	[USA], [USA-1], [EUR], [EUR-1] ERJ3GEYJ 472 V (4.7 k)	B	117.9/52
R233	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	B	123.1/48.6
R234	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	70.8/21.9
R235	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	65.8/23.6
R236	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	63.1/23.6
R237	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	63.8/25.7
R238	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	65.1/27.3
R239	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	63.4/33.1
R240	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	61.3/33.4
R241	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	55.9/31.8
R242	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	56.8/29.6
R243	7030003320	S.RES	ERJ3GEYJ 101 V (100)	T	96.8/29.5
R251	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	T	98/44.7
R256	7030003490	S.RES	ERJ3GEYJ 272 V (2.7 k)	T	85.5/41.8
R267	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	29.8/54.6
R273	7030003760	S.RES	ERJ3GEYJ 474 V (470 k)	B	29.2/71.8
R280	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	T	26.1/28.6
R281	7030003750	S.RES	ERJ3GEYJ 394 V (390 k)	T	113.4/16.5
R288	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	T	114.6/40.2
R289	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	B	128.2/61.9
R295	7030003350	S.RES	ERJ3GEYJ 181 V (180)	B	129/75.4
R297	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)	T	127.4/74.3
R301	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	B	49.3/29.7
R321	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	B	27/71.3
R322	7030004040	S.RES	ERJ3GEYJ 4R7 V (4.7)	B	44.4/77.3
R323	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	14.9/87.1
R325	7030003370	S.RES	ERJ3GEYJ 271 V (270)	B	18/83.7
R327	7030003340	S.RES	ERJ3GEYJ 151 V (150)	B	107.6/43.4
R328	7030003650	S.RES	ERJ3GEYJ 563 V (56 k)	T	118/16.8
R329	7030003690	S.RES	ERJ3GEYJ 124 V (120 k)	T	119.3/10.7
R330	7510001000	S.TMR	TBPS1R154K475H5Q	T	118/10.7
R331	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	116.7/12.3
R332	7030003690	S.RES	ERJ3GEYJ 124 V (120 k)	T	118/13.9
R333	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	T	122.1/12.1
R334	7030003770	S.RES	ERJ3GEYJ 564 V (560 k)	T	124.9/12.1
R335	7030004050	S.RES	ERJ3GEYJ 1R0 V (1)		
R336	7310004590	S.TRI	EVM-2WSX80 B13 (102)		
R338	7030003560	S.RES	[GEN], [AUS], [EUR] ERJ3GEYJ 103 V (10 k)	T	31.8/98.6
R340	7030003410	S.RES	ERJ3GEYJ 561 V (560)	B	101.2/14.1
R342	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	29.3/88.7
R355	7030003480	S.RES	ERJ3GEYJ 222 V (2.2 k)	B	48.8/26
R356	7030003660	S.RES	ERJ3GEYJ 683 V (68 k)	T	125/16.8
R357	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)	T	114.2/19.5
R358	7030003670	S.RES	ERJ3GEYJ 823 V (82 k)	B	66/42.1
R359	7030003320	S.RES	ERJ3GEYJ 101 V (100)	B	75.9/56.6
R361	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)	B	64.5/48.1
R362	7030003450	S.RES	ERJ3GEYJ 122 V (1.2 k)	B	25.8/67.8
R363	7030003680	S.RES	ERJ3GEYJ 122 V (1.2 k)	B	57.9/44.7
R364	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	59.7/24.5
R365	7030003810	S.RES	ERJ3GEYJ 125 V (1.2 M)	T	59.7/24.5
R365	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	61.1/29.7
R366	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	56.2/29.7
R366	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	56.2/26.8
R367	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	T	62.4/29.7
R368	7030003590	S.RES	ERJ3GEYJ 183 V (18 k)	B	62.4/29.7
R369	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	B	124.3/39.2
				B	120.2/42.3

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R370	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	130.4/10.4
R371	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	122.3/13
R372	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	116.1/27.5
R373	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	114/29.6
R374	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	112.3/31.5
R375	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	113.2/27.5
R376	7030003770	S.RES ERJ3GEYJ 564 V (560 k)	T	105.8/28.7
R377	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	119.4/64.4
R379	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	58.3/35.7
R380	7030006060	S.RES ERJ12YJ100U (10)	B	38/81.7
R383	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	15.7/89.3
R386	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	16.6/45.3
R387	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	20.7/44.6
R388	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	17.5/50.3
R389	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	B	18.5/41.2
R390	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	18.9/54.1
R391	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	16.8/51.9
R392	7310004670	S.TRI EVM-2WSX80 B55 (504)	T	12.2/28
R393	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	6.9/17.1
R394	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	5.8/20.1
R395	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	6.6/31.5
R396	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	5.8/30.2
R397	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	8.5/30.2
R398	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	3.9/45.5
R399	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.2/45.5
R400	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	8.2/48
R401	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	3.7/48.1
R403	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	15.8/21
R404	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	18.9/20.2
R405	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	23.8/14.8
R406	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	22.9/10.6
R407	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	13/24.5
R408	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	14.9/25.2
R409	7030004890	S.RES ERJ3GEYF 434 V (430 k)	T	16.3/27.9
R410	7030004860	S.RES ERJ3GEYF 184 V (180 k)	T	14.8/27.9
R411	7030005260	S.RES ERJ3GEYF 394 V (390 k)	T	13/25.8
R412	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	5/16.7
R413	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	6.4/14.6
R414	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	8/15.9
R415	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	99.5/41
R417	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	39.3/109.1
R418	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	29/113
R419	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	29/111.7
R420	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	39.6/112.4
R422	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	B	9.8/26.5
R423	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	85/76.2
R424	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	89.3/79
R425	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	88.6/76.3
R426	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	90.8/75.5
R427	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	88.7/74.6
R428	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	87.9/70.4
R429	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	85.4/71.8
R430	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	91.6/70.5
R431	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	75.8/64.8
		[EUR], [EUR-1]	T	
	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)	T	75.8/64.8
		except [EUR], [EUR-1]	T	
R432	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	B	6.9/27.9
R433	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	37.6/97.5
R434	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	36.1/102.8
R435	7030000410	S.RES MCR10EZJH 1.8 k	T	70.5/68.1
R436	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	89.3/30.5
R437	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	120.6/39.7
R438	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	128.9/53.9
		[USA], [USA-1], [EUR], [EUR-1]	T	
R439	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	116.5/53.9
		[USA], [USA-1], [EUR], [EUR-1]	B	
R440	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	31.3/102.8
R441	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	37.8/107.8
R442	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	6.7/12.3
R443	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	10.3/15.8
R444	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	31.1/93.5
R445	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	9.5/83.6
R446	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	B	9.5/79.4
R447	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	128.9/48.1
R448	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	117/47.5
R449	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	83.6/50.3
R450	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	80.5/49
R451	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	80/47.1
R452	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	80.6/43.9
R453	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	107.9/17.2
R454	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	107.9/14.4
R455	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	105.1/11
R456	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	107.9/11.6
R457	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	83.5/34.8
R458	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	80.9/39.6
R459	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	81.7/37.5
R460	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	77.2/35.8
R461	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	21.8/112.9
R462	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	21.8/111.5
R463	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	B	12.3/110.6
R464	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	14.7/100
R465	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	18.2/103.3
R466	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	43.6/63.7
R467	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	50.3/105.4
R468	7030006120	S.RES ERJ1WYJ4R7U (4.7)	T	
		[GEN], [AUS], [EUR], [EUR-1]	T	

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R469	7030000100	S.RES MCR10EZJH 4R7 (4.7)		
		[GEN-1], [USA], [USA-1]	B	51.3/105.4
R470	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	15.8/23.7
R471	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	10.2/10.5
R472	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	19.7/22.3
R473	7030001160	S.RES MCR50JZHJ 181 (180)	T	73.7/101.4
R474	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	72.9/69
R475	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	79.7/30
R476	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	98.1/10
R478	7030003670	S.RES ERJ3GEYJ 823 V (82 k)	T	106.3/34.1
R479	7510001571	S.TMR NTCG16 4LH 104JT	T	104.4/34.9
R484	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	B	112.2/19.3
R485	7030003440	S.RES ERJ3GEYJ 102 V (1 k)		
		[EUR], [EUR-1]	B	76.2/23.6
R486	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	46.7/45.4
R487	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	45.8/39.5
R488	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	47.1/36.2
R489	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	46.7/37.6
R490	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	48.6/44.6
R491	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	47.2/34.4
R492	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	B	48.5/34.4
R493	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	103.8/56.8
R494	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	107/54
R498	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	109.1/49.8
R499	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	106.3/52.1
R500	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	107.6/52.1
R501	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	126.3/46.8
C1	4030011210	S.CER GRM31M2C2H330JV01L	B	116.4/103.5
C2	4030011070	S.CER GRM31M2C2H5R0CY21L	B	122.2/99.4
C3	4030011230	S.CER GRM31M2C2H390JV01L	B	113.2/95
C4	4030011030	S.CER GRM31M4C2H1R5CY21L	B	120.7/94.1
C5	4030011180	S.CER GRM31M2C2H220JV01L	B	117.5/90.6
C6	4030011260	S.CER GRM42-6 W5R 102K 500PT	B	117.5/87.1
C7	4030011180	S.CER GRM31M2C2H220JV01L	B	113.7/78.6
C8	4030007080	S.CER C1608 CH 1H 390J-T	B	118.2/83.3
C9	4030007040	S.CER C1608 CH 1H 180J-T	B	118.4/77.3
C10	4030007090	S.CER C1608 CH 1H 470J-T	T	131.7/77.8
C11	4030011260	S.CER GRM42-6 W5R 102K 500PT	T	97.7/90.7
C12	4030011180	S.CER GRM31M2C2H220JV01L	B	97.7/102.6
C13	4030011020	S.CER GRM31M4C2H1R0CY21L	B	96.1/96.1
C14	4030011020	S.CER GRM31M4C2H1R0CY21L	B	88.5/100.6
C15	4030011180	S.CER GRM31M2C2H220JV01L	B	93.3/104.9
C16	4030011120	S.CER GRM31M2C2H100JV01L	B	96.1/93.4
C17	4030011120	S.CER GRM31M2C2H100JV01L	B	87.1/93.2
C18	4030006860	S.CER C1608 JB 1H 102K-T	B	90.6/87.3
C19	4030006860	S.CER C1608 JB 1H 102K-T	B	94.2/86.6
C20	4030011260	S.CER GRM42-6 W5R 102K 500PT	B	90.8/100.6
C21	4030007010	S.CER C1608 CH 1H 100D-T		
C22	4030007050	S.CER C1608 CH 1H 220J-T	B	131.7/64.8
C23	4030009560	S.CER C1608 CH 1H R75B-T	B	130.9/66.9
C24	4030006860	S.CER C1608 JB 1H 102K-T	B	124.8/65.7
C25	4030006860	S.CER C1608 JB 1H 102K-T	B	116.9/62.1
C26	4030006860	S.CER C1608 JB 1H 102K-T	B	121.8/65.7
C27	4030006860	S.CER C1608 JB 1H 102K-T	B	119.4/68.6
C28	4030006860	S.CER C1608 JB 1H 102K-T	T	113.2/59.5
C29	4030007060	S.CER C1608 CH 1H 270J-T	B	108.9/65
C30	4030006860	S.CER C1608 JB 1H 102K-T	B	105.6/62.1
C31	4030009500	S.CER C1608 CH 1H 0R5B-T	B	112.3/65
C32	4030007060	S.CER C1608 CH 1H 270J-T	B	105.6/65.6
C33	4030009530	S.CER C1608 CH 1H 030B-T	T	103.8/59.5
C34	4030006860	S.CER C1608 JB 1H 102K-T	B	105/52.9
C37	4030006860	S.CER C1608 JB 1H 102K-T	B	103.8/60.9
C39	4030006900	S.CER C1608 JB 1H 103K-T	B	124.3/40.5
C40	4030006860	S.CER C1608 JB 1H 102K-T	B	120.2/43.6
C41	4030006900	S.CER C1608 JB 1H 103K-T	B	123.4/41.9
C42	4030006900	S.CER C1608 JB 1H 103K-T	B	120.7/34.8
C43	4030006860	S.CER C1608 JB 1H 102K-T	T	122.5/33.3
C44	4030011600	S.CER C1608 JB 1E 104K-T	B	108.2/40.2
C46	4030006900	S.CER C1608 JB 1H 103K-T	B	131.2/18.4
C47	4030011600	S.CER C1608 JB 1E 104K-T	B	131.2/12.3
C48	4030011600	S.CER C1608 JB 1E 104K-T	B	125.8/10.4
C50	4030011600	S.CER C1608 JB 1E 104K-T	B	119.4/12.4
C51	4030006900	S.CER C1608 JB 1H 103K-T	B	115.7/10.9
C52	4030011600	S.CER C1608 JB 1E 104K-T	B	115.7/3
C53	4030006900	S.CER C1608 JB 1H 103K-T	B	112.3/10.2
C54	4030006900	S.CER C1608 JB 1H 103K-T	B	114.9/19.3
C55	4030006900	S.CER C1608 JB 1H 103K-T	B	110.6/19.3
C56	4550007390	S.TAN F931C225MAABMA	T	121.1/15.3
C58	4510008550	S.ELE EEE1HA010SR	T	115.2/23.3
C59	4550006360	S.TAN ECST1VY104R	T	70.4/41.8
C60	4550006140	S.TAN ECST1EY474R [EUR], [EUR-1]	B	77/27.1
	4550007670	S.TAN F931C105MAABMA [GEN], [AUS]	B	77/27.1
C61	4030006860	S.CER C1608 JB 1H 102K-T	B	77.4/56.6
C62	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/1.7
C63	4030006860	S.CER C1608 JB 1H 102K-T	B	81.9/24.2
C68	4030006860	S.CER C1608 JB 1H 102K-T	B	99.5/36.6
C69	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/31.5
C70	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/30
C71	4030006860	S.CER C1608 JB 1H 102K-T	B	99.6/29.5
C72	4030009990	S.CER C1608 CH 1H 200J-T	B	93.4/38.1
C73	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/44.1
C74	4030007040	S.CER C1608 CH 1H 180J-T	B	99.5/39.6
C75	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/37.2
C77	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/45.5
C78	4030009990	S.CER C1608 CH 1H 200J-T	B	99.5/50.1
C82	4030006860	S.CER C1608 JB 1H 102K-T	B	94.7/58.3

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C85	4030006860	S.CER C1608 JB 1H 102K-T	B	93.1/62.1
C87	4030007030	S.CER C1608 CH 1H 150J-T	B	88/58.2
C91	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/60.5
C92	4030006860	S.CER C1608 JB 1H 102K-T	B	88.9/62.4
C95	4030007060	S.CER C1608 CH 1H 270J-T	B	86.4/58.2
C96	4030006860	S.CER C1608 JB 1H 102K-T	B	87.2/66.6
C97	4030006860	S.CER C1608 JB 1H 102K-T	B	80.2/59.8
C98	4030007030	S.CER C1608 CH 1H 150J-T	T	81.1/68.2
C99	4030006860	S.CER C1608 JB 1H 102K-T	T	75.8/66.1
C100	4030006860	S.CER C1608 JB 1H 102K-T	T	53.7/71.3
C101	4030007070	S.CER C1608 CH 1H 330J-T	T	79.6/69.8
C102	4030007050	S.CER C1608 CH 1H 220J-T	T	63/74.6
C103	4030007100	S.CER C1608 CH 1H 560J-T	T	54.4/80.6
C110	4030012600	S.CER C2012 JB 1A 105M-T	B	106.4/11.9
C112	4550006220	S.TAN TEESVA 0J 156M8R	B	109.4/26.5
C113	4510008540	S.ELE EEE1CA100SR	T	101.3/21.9
C114	4550007610	S.TAN F931E474MAABMA	B	96.3/21.4
C115	4030006860	S.CER C1608 JB 1H 102K-T	B	96.3/26.7
C116	4030006900	S.CER C1608 JB 1H 103K-T	T	107.9/26
C117	4030009970	S.CER C1608 JB 1H 182K-T	T	113.4/11.9
C118	4030009630	S.CER C1608 JB 1H 822K-T	T	110.6/8.5
C119	4030007130	S.CER C1608 CH 1H 101J-T	T	108.5/5.7
C120	4030012610	S.CER C2012 JB 1C 474K-T	B	6.8/21.4
C121	4030006900	S.CER C1608 JB 1H 103K-T	T	103.5/5.7
C122	4030006860	S.CER C1608 JB 1H 102K-T	T	98/38.7
C123	4550006220	S.TAN TEESVA 0J 156M8R	T	100.6/39.8
C124	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/44.7
C126	4030011600	S.CER C1608 JB 1E 104K-T	B	51.2/37
C127	4030006900	S.CER C1608 JB 1H 103K-T	B	56.5/44.8
C128	4030011600	S.CER C1608 JB 1E 104K-T	B	42.3/66.8
C129	4510007980	S.ELE 16SVP22M-AIC	T	80.4/16.5
C130	4030006860	S.CER C1608 JB 1H 102K-T	T	83.8/1.7
C131	4030006860	S.CER C1608 JB 1H 102K-T	B	72.8/18.6
C132	4550007360	S.TAN F931A226MBABMA	T	73.4/15.3
C133	4550007610	S.TAN F931E474MAABMA	T	65.3/15.6
C134	4550007360	S.TAN F931A226MBABMA	T	60.5/20
C135	4030006860	S.CER C1608 JB 1H 102K-T	T	61.3/16.3
C138	4510008540	S.ELE EEE1CA100SR	T	98.7/76.7
C139	4030006860	S.CER C1608 JB 1H 102K-T	B	85.4/85
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	86.8/81.9
C141	4030006860	S.CER C1608 JB 1H 102K-T	T	82.3/73.6
C148	4030006860	S.CER C1608 JB 1H 102K-T	B	108.8/77.3
C149	4030006860	S.CER C1608 JB 1H 102K-T		
C153	4030012600	S.CER C2012 JB 1A 105M-T	T	59.9/34.2
C154	4030007050	S.CER C1608 CH 1H 220J-T	B	125.8/15.6
C156	4030011600	S.CER C1608 JB 1E 104K-T	B	111.2/44.3
C164	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/76.5
C165	4030011770	S.CER C1608 CH 1H 060B-T	T	130.9/73.8
C167	4030006860	S.CER C1608 JB 1H 102K-T	B	72.4/59.7
C168	4510008750	S.ELE EEE1HA0R1SR	T	74.9/57.3
C170	4030012600	S.CER C2012 JB 1A 105M-T	T	105.3/45.8
C175	4550007260	S.TAN F931C475MAABMA	B	115.4/66.4
C177	4550007270	S.TAN F931A475MAABMA	B	57.2/39.9
C188	4030007070	S.CER C1608 CH 1H 330J-T	T	90.7/37.2
C189	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/42.7
C190	4030009500	S.CER C1608 CH 1H 0R5B-T	T	87/46.5
C192	4030007010	S.CER C1608 CH 1H 100D-T		
		except [EUR], [EUR-1]	T	80.6/45.2
	4030007030	S.CER C1608 CH 1H 150J-T	T	80.6/45.2
		[EUR], [EUR-1]	T	87.7/48.8
C193	4030006860	S.CER C1608 JB 1H 102K-T		
C195	4030007040	S.CER C1608 CH 1H 180J-T		
		[EUR], [EUR-1]	T	78.3/48.4
	4030007050	S.CER C1608 CH 1H 220J-T	T	78.3/48.4
	4030009990	S.CER C1608 CH 1H 200J-T		
		[GEN], [GEN-1], [USA], [USA-1]	T	78.3/48.4
C206	4510008510	S.ELE EEE1CA471P	T	10.3/98.5
C208	4030007130	S.CER C1608 CH 1H 101J-T	B	8.9/71.1
C209	4030012610	S.CER C2012 JB 1C 474K-T	B	8.3/68.7
C211	4510007320	ELE 50 YXG 470M		
C212	4510007320	ELE 50 YXG 470M		
C213	4030006860	S.CER C1608 JB 1H 102K-T	B	82.4/29.3
C214	4030006860	S.CER C1608 JB 1H 102K-T	T	99.4/32.2
C217	4030007080	S.CER C1608 CH 1H 390J-T	T	48.5/86.4
C218	4030006860	S.CER C1608 JB 1H 102K-T	B	45.6/105.1
C220	4030006860	S.CER C1608 JB 1H 102K-T	T	74.3/78.6
C224	4030011600	S.CER C1608 JB 1E 104K-T	B	122.5/33.4
C226	4550005980	S.TAN TEESVA 1A 475M8R	T	96.8/33.4
C228	4030006900	S.CER C1608 JB 1H 103K-T	B	121.1/31.9
C229	4030006900	S.CER C1608 JB 1H 103K-T	B	55.7/24
C230	4030006900	S.CER C1608 JB 1H 103K-T	B	123.5/19.3
C231	4030006860	S.CER C1608 JB 1H 102K-T	B	35.2/52.1
C232	4030010210	S.CER C3216 JB 1C 105M-T	B	37/51.7
C233	4030012600	S.CER C2012 JB 1A 105M-T	B	112.2/4.2
C234	4030012600	S.CER C2012 JB 1A 105M-T	B	116.1/12.7
C235	4030006900	S.CER C1608 JB 1H 103K-T	B	126.2/8.3
C241	4030011190	S.CER GRM31M2C2H270JV01L	B	82.9/104
C242	4030018330	S.CER ERF22X 6C2H 820J D01L	B	76.8/102
C249	4030006860	S.CER C1608 JB 1H 102K-T	B	45.3/100.6
C250	4030006860	S.CER C1608 JB 1H 102K-T	T	73.3/66.7
C251	4030006860	S.CER C1608 JB 1H 102K-T	B	91.6/67.7
C253	4030006860	S.CER C1608 JB 1H 102K-T	B	103.1/78.6
C255	4030006860	S.CER C1608 JB 1H 102K-T	B	114.4/47.7
C256	4030008880	S.CER C1608 JB 1H 223K-T	B	65.8/24.9
C257	4030009970	S.CER C1608 JB 1H 182K-T	B	60.4/23.6
C258	4030006900	S.CER C1608 JB 1H 103K-T	B	68.7/23.6
C259	4030008860	S.CER C1608 JB 1H 153K-T	B	63.8/28.6

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C260	4030006860	S.CER C1608 JB 1H 102K-T	B	65.1/30
C261	4030008880	S.CER C1608 JB 1H 223K-T	B	61.3/34.8
C262	4030011340	S.CER C1608 CH 1H 471J-T	B	58.3/33.4
C263	4030012660	S.CER C1608 JB 1E 683K-T	B	55.2/29.6
C264	4030007120	S.CER C1608 CH 1H 820J-T	B	55.4/26.7
C265	4030011600	S.CER C1608 JB 1E 104K-T	B	54.7/34
C266	4030011600	S.CER C1608 JB 1E 104K-T	T	113.2/18.1
C267	4030011600	S.CER C1608 JB 1E 104K-T	T	111.9/54.7
C268	4030011600	S.CER C1608 JB 1E 104K-T	T	53.4/19.1
C277	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/46.2
C279	4030007000	S.CER C1608 CH 1H 090D-T	T	83.8/36.7
C286	4030009500	S.CER C1608 CH 1H 0R5B-T	T	85.3/39.2
C288	4030006860	S.CER C1608 JB 1H 102K-T	T	87.9/40
C289	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/27.9
C290	4030011600	S.CER C1608 JB 1E 104K-T	B	64.5/46.7
C292	4030008920	S.CER C1608 JB 1H 473K-T	B	49.7/61
C293	4030010760	S.CER C1608 CH 1H 331J-T	B	50.6/54.5
C295	4030006860	S.CER C1608 JB 1H 102K-T	T	6.5/45.5
C298	4510008740	S.ELE EEE1HA330P	T	26.1/49.2
C299	4030006890	S.CER C1608 JF 1H 103Z-T	B	25.3/46.6
C300	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/46
C301	4510008580	S.ELE EEE0JA470SR	T	18.8/49.4
C308	4030006900	S.CER C1608 JB 1H 103K-T	B	91/12.4
C309	4030011600	S.CER C1608 JB 1E 104K-T	B	103.9/7.9
C312	4030006860	S.CER C1608 JB 1H 102K-T	B	28.1/83.8
C313	4030011600	S.CER C1608 JB 1E 104K-T	B	21.2/71.8
C314	4030011600	S.CER C1608 JB 1E 104K-T	B	22.6/71.8
C315	4030006900	S.CER C1608 JB 1H 103K-T	B	104.5/45.6
C316	4030011180	S.CER GRM31M2C2H220JV01L	B	89.2/96.8
C317	4030006900	S.CER C1608 JB 1H 103K-T	T	75.9/8
C318	4030006900	S.CER C1608 JB 1H 103K-T	B	123.1/46.8
C319	4030006900	S.CER C1608 JB 1H 103K-T		
		[USA], [USA-1], [EUR], [EUR-1]	B	120.7/52.9
C320	4030006900	S.CER C1608 JB 1H 103K-T	T	112.5/47.2
C321	4030006860	S.CER C1608 JB 1H 102K-T	T	69.8/16.8
C322	4510008690	S.ELE EEE1EA330SP	T	66.4/20.9
C323	4030006860	S.CER C1608 JB 1H 102K-T	B	78.7/31.4
C324	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/35.1
C325	4030011600	S.CER C1608 JB 1E 104K-T	T	57.7/33
C326	4550007390	S.TAN F931C225MAABMA [GEN], [AUS]	B	91.4/10.7
C327	4030006900	S.CER C1608 JB 1H 103K-T	B	128.3/9.6
C328	4030006900	S.CER C1608 JB 1H 103K-T	B	123.2/9.6
C329	4030006900	S.CER C1608 JB 1H 103K-T	B	114.1/62.1
C330	4030011110	S.CER GRM31M2C2H9RDV01L	B	123.8/105.8
C331	4030011160	S.CER GRM31M2C2H150JV01L	B	119.2/109.5
C332	4030006900	S.CER C1608 JB 1H 103K-T		
		[USA], [USA-1], [EUR], [EUR-1]	T	128.9/52.3
C333	4030006900	S.CER C1608 JB 1H 103K-T	T	128.9/49.5
C337	4030011600	S.CER C1608 JB 1E 104K-T	B	28.8/67.4
C338	4030011600	S.CER C1608 JB 1E 104K-T	B	33.9/62.6
C339	4030008470	S.CER C1608 JB 1H 272K-T	B	68.7/24.9
C340	4030011600	S.CER C1608 JB 1E 104K-T	B	63.2/36.1
C341	4030006900	S.CER C1608 JB 1H 103K-T	B	100.5/39.9
C342	4030006860	S.CER C1608 JB 1H 102K-T	T	131.7/68.9
C343	4510008500	S.ELE EEE1CA101WP	T	41.6/72.7
C344	4030009500	S.CER C1608 CH 1H 0R5B-T	T	126.4/47.5
C346	4030006960	S.CER C1608 CH 1H 050C-T		
		USA, [USA-1], [EUR], [EUR-1]	T	114.9/56.4
C347	4030011600	S.CER C1608 JB 1E 104K-T	B	71.6/14.3
C348	4030006900	S.CER C1608 JB 1H 103K-T	B	61/52.6
C349	4030008650	S.CER C1608 JB 1H 332K-T	B	48.5/31.8
C353	4030011600	S.CER C1608 JB 1E 104K-T	B	27/69.9
C354	4030011600	S.CER C1608 JB 1E 104K-T	B	44.4/60.6
C358	4030006990	S.CER C1608 CH 1H 080D-T	B	124.9/62.2
C359	4030007050	S.CER C1608 CH 1H 220J-T	B	130.1/64.8
C360	4030006860	S.CER C1608 JB 1H 102K-T	B	133.5/62.2
C361	4030006950	S.CER C1608 CH 1H 040C-T		
		[USA], [USA-1], [EUR], [EUR-1]	T	126.4/54.7
C362	4030006860	S.CER C1608 JB 1H 102K-T	B	122.6/74.5
C366	4030006860	S.CER C1608 JB 1H 102K-T	T	127.6/80.3
C374	4030006860	S.CER C1608 JB 1H 102K-T	B	41.6/72.8
C378	4030006870	S.CER C1608 JB 1H 222K-T	B	27/72.6
C379	4550007270	S.TAN F931A475MAABMA	B	32.5/73.5
C380	4550007670	S.TAN F931C105MAABMA	B	30.8/78.2
C381	4030011600	S.CER C1608 JB 1E 104K-T	B	41.5/77.3
C382	4030006900	S.CER C1608 JB 1H 103K-T	B	14.9/84.3
C383	4550006390	S.TAN TEESVA 1C 335M8R	B	13.9/90.5
C384	4030011600	S.CER C1608 JB 1E 104K-T	B	21.6/78.8
C385	4030008900	S.CER C1608 JB 1H 333K-T	B	51.4/28.9
C387	4510008510	S.ELE EEE1CA471P	T	23.3/73.2
C388	4510008680	S.ELE EEE1EA220SP	T	14.5/89.3
C389	4030006860	S.CER C1608 JB 1H 102K-T	T	1.8/94.8
C390	4030011600	S.CER C1608 JB 1E 104K-T	B	109.1/38.2
C391	4030009500	S.CER C1608 CH 1H 0R5B-T	T	89.9/46.5
C392	4030007020	S.CER C1608 CH 1H 120J-T		
		[USA], [USA-1], [EUR], [EUR-1]	T	122.1/59.7
C395	4030006950	S.CER C1608 CH 1H 040C-T	T	122/43.6
C396	4030012610	S.CER C2012 JB 1C 474K-T		
C397	4030012610	S.CER C2012 JB 1C 474K-T		
C398	4030009000	S.CER C2012 JB 1C 224K-T		
C399	4510008500	S.ELE EEE1CA101WP		
C400	4510008520	S.ELE EEE1CA470SP		
C401	4510008520	S.ELE EEE1CA470SP		
C402	4030008980	S.CER C2012 JB 1C 154K-T		
C403	4030012600	S.CER C2012 JB 1A 105M-T	B	96.3/79.3
C404	4030012610	S.CER C2012 JB 1C 474K-T	B	31.1/88.7
C405	4030009520	S.CER C1608 CH 1H 020B-T	B	131.7/68.2
C406	4030006960	S.CER C1608 CH 1H 050C-T	B	128.3/68.2

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C407	4030009910	S.CER C1608 CH 1H 040B-T	B	111.5/67.4
C409	4030006860	S.CER C1608 JB 1H 102K-T	B	93.4/46.9
C410	4030006860	S.CER C1608 JB 1H 102K-T	B	94.2/85
C413	4550007540	S.TAN F931C155MAABMA	B	47.6/107.6
C415	4030007060	S.CER C1608 CH 1H 270J-T	B	101.7/53.9
C416	4030007030	S.CER C1608 CH 1H 150J-T	B	103.2/53.9
C417	4030006860	S.CER C1608 JB 1H 102K-T	B	76.2/53.8
C418	4030006860	S.CER C1608 JB 1H 102K-T	T	55.2/82.5
C419	4030017200	S.CER GRM31BR32J102KY01L	B	75.8/81.9
C420	4030006900	S.CER C1608 JB 1H 103K-T	T	55.9/23.7
C421	4030007050	S.CER C1608 CH 1H 220J-T	T	112.7/39.4
C422	4030007070	S.CER C1608 CH 1H 330J-T	T	110/39.4
C423	4030006970	S.CER C1608 CH 1H 060D-T	T	110.8/37.2
C424	4030007100	S.CER C1608 CH 1H 560J-T	T	113.5/34.1
C425	4030006900	S.CER C1608 JB 1H 103K-T	T	113.5/32.8
C426	4030009990	S.CER C1608 CH 1H 200J-T	T	109.4/31.5
C427	4030007080	S.CER C1608 CH 1H 390J-T	T	108.4/28.7
C428	4030006900	S.CER C1608 JB 1H 103K-T	T	107.1/28.7
C429	4030009550	S.CER C1608 CH 1H 2R5B-T	B	82.1/31.8
C430	4030006900	S.CER C1608 JB 1H 103K-T	T	115.3/29.6
C433	4510009280	S.ELE EEE1EA4R7SR	T	129.4/15.4
C434	4030006960	S.CER C1608 CH 1H 050C-T	B	118.5/47.5
C436	4510008540	S.ELE EEE1CA100SR	T	30.3/37.6
C437	4510008540	S.ELE EEE1CA100SR	T	11.1/33.8
C438	4030006900	S.CER C1608 JB 1H 103K-T	T	12.8/36.9
C439	4030007170	S.CER C1608 CH 1H 221J-T	B	15.5/41.2
C441	4510008500	S.ELE EEE1CA101WP	T	12.4/50.8
C442	4030006900	S.CER C1608 JB 1H 103K-T	T	16.7/53.8
C443	4030011600	S.CER C1608 JB 1E 104K-T	B	3/13.6
C444	4030006900	S.CER C1608 JB 1H 103K-T	T	16.6/25.2
C445	4510008500	S.ELE EEE1CA101WP	T	21.4/27.2
C446	4030010760	S.CER C1608 CH 1H 331J-T	T	5.8/18.8
C447	4030012600	S.CER C2012 JB 1A 105M-T	T	8.8/18.7
C448	4510008500	S.ELE EEE1CA101WP	T	10.7/43
C449	4030006900	S.CER C1608 JB 1H 103K-T	T	12.9/38.8
C450	4030007120	S.CER C1608 CH 1H 820J-T		
		[EUR], [EUR-1]	B	21/21
	4030010040	S.CER C1608 JB 1H 561K-T except [EUR], [EUR-1]	B	21/21
C452	4510007230	ELE 50 YXG 1000M		
C453	4510009060	S.ELE EEE1HA3R3SR	T	31.2/17.5
C454	4550003210	S.TAN TEESVD21D226M12R	T	22.2/9.2
C455	4030006900	S.CER C1608 JB 1H 103K-T	T	17.2/10.2
C456	4030017070	S.CER GRM32MR11H474KA01L	B	48.8/6.8
C457	4030017070	S.CER GRM32MR11H474KA01L	B	48.8/3.7
C462	4030017070	S.CER GRM32MR11H474KA01L	B	54/9.9
C463	4030017070	S.CER GRM32MR11H474KA01L	B	55.7/6.8
C468	4030017070	S.CER GRM32MR11H474KA01L	B	57.2/13.5
C472	4030006860	S.CER C1608 JB 1H 102K-T	B	97.9/56.7
C500	4030009650	S.CER C1608 CH 1H 240J-T	T	53.6/82.5
C501	4030007050	S.CER C1608 CH 1H 220J-T	T	48.5/84.8
C502	4030007110	S.CER C1608 CH 1H 680J-T	T	48.5/92.8
C503	4030006980	S.CER C1608 CH 1H 070D-T	T	48.5/91.2
C504	4030007150	S.CER C1608 CH 1H 151J-T	T	49.7/96.4
C505	4510007320	ELE 50 YXG 470M		
C506	4510009130	S.ELE EEEHBOJ330R	T	80.9/25.2
C507	4030008960	S.CER C2012 JB 1C 104K-T	B	9.3/29
C508	4030010020	S.CER C1608 JB 1H 122K-T	B	125.8/14.3
C509	4030010020	S.CER C1608 JB 1H 122K-T	B	112.3/8.7
C512	4030006860	S.CER C1608 JB 1H 102K-T	B	86.6/74.7
C513	4510008540	S.ELE EEE1CA100SR	T	90.4/78.6
C514	4030006860	S.CER C1608 JB 1H 102K-T	T	91.4/74.6
C516	4030011600	S.CER C1608 JB 1E 104K-T	T	93.8/72.6
C517	4030006860	S.CER C1608 JB 1H 102K-T	T	91.6/69
C518	4030016990	S.CER GRM32MR11H105KA01L	B	33.9/107.2
C519	4030011250	S.CER GRM31RR72H471KY21L [GEN-1], [USA], [USA-1], [EUR-1]	T	67/65.9
	4030017190	S.CER GRM31AR32J471KW01D [GEN], [AUS], [EUR]	T	67/65.9
C520	4030011280	S.CER C1608 CH 1H 271J-T	T	52.9/100.4
C521	4510004650	S.ELE ECEV1EA4R7SR [GEN-1], [USA], [USA-1] [EUR], [EUR-1] [GEN], [AUS]	T	79.5/64.3
	4510005860	S.ELE ECEV1HA2R2SR	T	79.5/64.3
	4510009280	S.ELE EEE1EA4R7SR	T	79.5/64.3
C522	4030007050	S.CER C1608 CH 1H 220J-T	B	56.8/26.7
C523	4030006870	S.CER C1608 JB 1H 222K-T	T	26.9/26.5
C524	4030008550	S.CER C2012 JF 1H 473Z-T	B	24.4/18.1
C525	4030006860	S.CER C1608 JB 1H 102K-T	T	10.4/20.3
C529	4030008920	S.CER C1608 JB 1H 473K-T	B	8.7/81.5
C530	4030008770	S.CER C1608 JB 1H 562K-T	B	8.7/77.3
C531	4510007390	ELE 50 YK 220M		
C533	4030009520	S.CER C1608 CH 1H 020B-T	B	107.6/68.1
C535	4510005520	ELE 50 ME 330 HC		
C536	4030011600	S.CER C1608 JB 1E 104K-T	B	11.6/23.2
C537	4030006860	S.CER C1608 JB 1H 102K-T	T	76.4/44.9
C538	4030007140	S.CER C1608 CH 1H 121J-T except [EUR], [EUR-1]	T	78.9/50.3
	4030009650	S.CER C1608 CH 1H 240J-T [EUR], [EUR-1]	T	78.9/50.3
C539	4030007030	S.CER C1608 CH 1H 150J-T [EUR], [EUR-1]	T	81.3/47.1
C540	4030006860	S.CER C1608 JB 1H 102K-T	T	85.1/46.5
C541	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/18.5
C542	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/15.9
C543	4030011600	S.CER C1608 JB 1E 104K-T	T	107.9/12.9
C544	4030007150	S.CER C1608 CH 1H 151J-T	T	74.3/40.7
C545	4030007020	S.CER C1608 CH 1H 120J-T	T	79.3/39.5

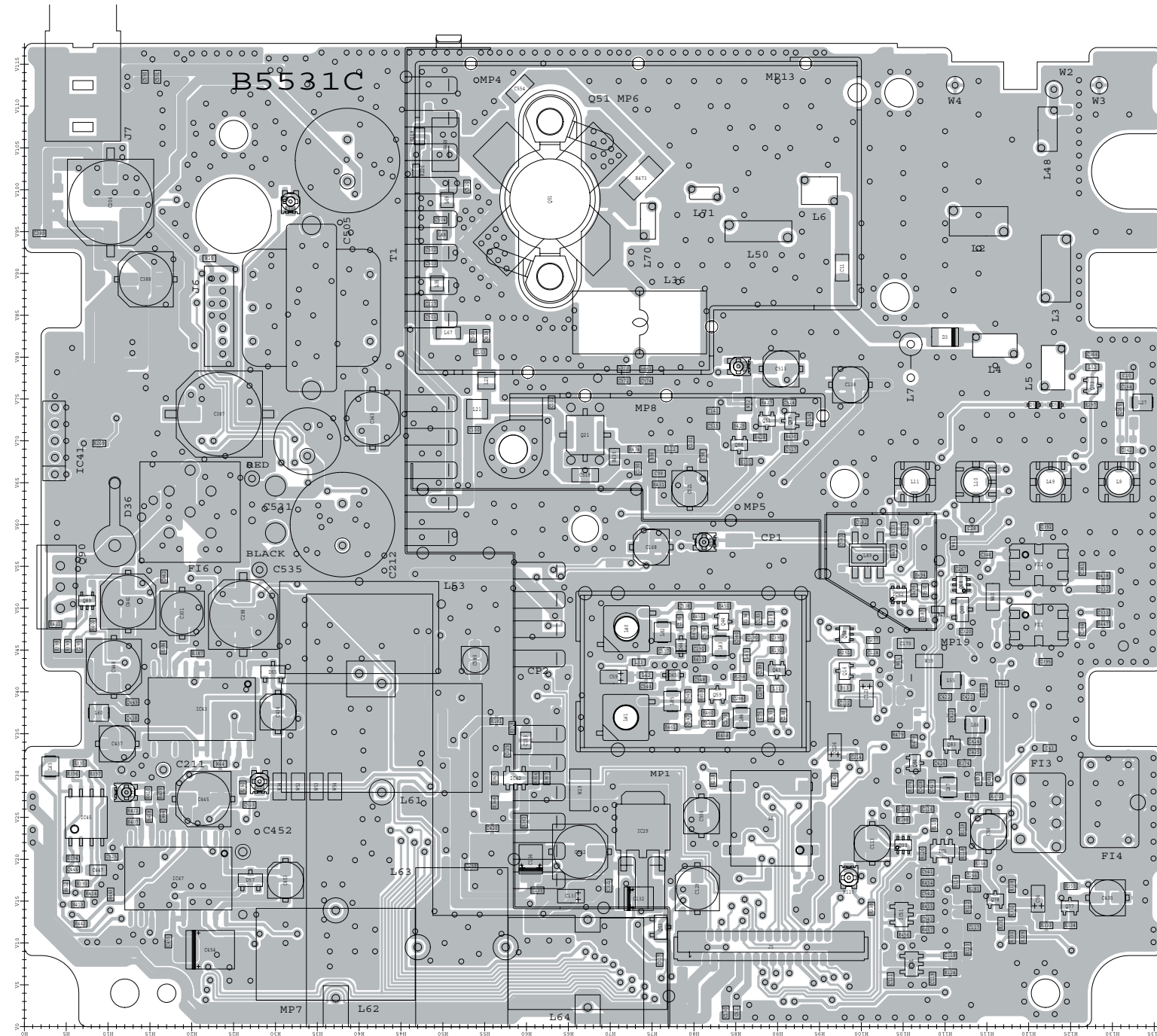
[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C546	4030007000	S.CER C1608 CH 1H 090D-T	T	81.7/36.2
C547	4030009650	S.CER C1608 CH 1H 240J-T	T	79.3/36.6
C548	4030006860	S.CER C1608 JB 1H 102K-T	T	80.7/41.5
C549	4030016990	S.CER GRM32RR11H105KA01L	B	16.5/106.7
C550	4030006860	S.CER C1608 JB 1H 102K-T	T	14.4/113.5
C551	4030007090	S.CER C1608 CH 1H 470J-T	T	15.9/113.5
C552	4030007030	S.CER C1608 CH 1H 150J-T	T	105.1/59.5
C553	4550006540	S.TAN ECST1CY475R except [GEN], [AUS] [GEN], [AUS]	B	14.1/22.4
	4550007260	S.TAN F931C475MAABMA	B	14.1/22.4
C554	4030011250	S.CER GRM31MR72H471KY21L	T	59.2/112.1
C555	4030009650	S.CER C1608 CH 1H 240J-T	B	95.1/49.5
C556	4030009650	S.CER C1608 CH 1H 240J-T	B	96.4/51.4
C557	4030004750	S.CER C2012 JB 1H 103K-T	B	33.7/58.5
C558	4030006860	S.CER C1608 JB 1H 102K-T	B	93.5/26.4
C559	4030007070	S.CER C1608 CH 1H 330J-T	B	33.6/60.1
C560	4030006850	S.CER C1608 JB 1H 471K-T	B	27.3/57.9
C561	4030006860	S.CER C1608 JB 1H 102K-T	B	26/57.9
C562	4030007070	S.CER C1608 CH 1H 330J-T	B	41.2/100.8
C563	4030006850	S.CER C1608 JB 1H 471K-T	B	42.2/99.8
C564	4030006860	S.CER C1608 JB 1H 102K-T	B	43.2/98.8
C565	4030007070	S.CER C1608 CH 1H 330J-T	B	56.4/82.9
C566	4030006850	S.CER C1608 JB 1H 471K-T	B	57.8/82.9
C567	4030006860	S.CER C1608 JB 1H 102K-T	B	59.2/82.9
C568	4030006850	S.CER C1608 JB 1H 471K-T	B	72/82.9
C569	4030004720	S.CER C2012 JB 1H 102K-T	B	40.2/97.2
C570	4030004710	S.CER C2012 JB 1H 471K-T	B	41.5/95.9
C571	4030005030	S.CER C2012 CH 1H 221J-T	B	42.8/94.6
C572	4030007170	S.CER C1608 CH 1H 221J-T	T	71.6/77.2
C573	4030007130	S.CER C1608 CH 1H 101J-T	T	71.6/78.6
C574	4030007090	S.CER C1608 CH 1H 470J-T	T	74.3/77.2
C575	4030017070	S.CER GRM32MR11H474KA01L	B	26.8/17.2
C576	4030006860	S.CER C1608 JB 1H 102K-T	B	22.1/83.1
C577	4030006860	S.CER C1608 JB 1H 102K-T	B	95.3/11.5
C578	4030018910	S.CER C1608 JB 0J 475K-T	B	55.2/42.4
C579	4030006860	S.CER C1608 JB 1H 102K-T	B	54.5/44.6
C580	4510008490	S.ELE EEE1CS100SR	T	53.8/43.8
C581	4030008880	S.CER C1608 JB 1H 223K-T	B	49.3/37.6
C582	4030006900	S.CER C1608 JB 1H 103K-T	T	100/60.3
C583	4030006900	S.CER C1608 JB 1H 103K-T	T	97.6/58.1
C586	4030006900	S.CER C1608 JB 1H 103K-T	B	112.5/51.7
C587	4030006900	S.CER C1608 JB 1H 103K-T	T	107.3/49.2
J5	6510020511	S.CNR FH12-40S-0.5SV (55)	T	89.2/9.5
J6	6510009401	CNR B7B-ZR (LF) (SN)		
J7	6450000140	CNR HSJ0807-01-010		
T1	5920000751	TSM ST-82 (P) FL		
W1	8900009210	CBL OPC-905		
W2	7120000470	JMP ERDS2T0		
W3	7120000470	JMP ERDS2T0		
W4	7120000470	JMP ERDS2T0		
W15	7030003860	S.RES ERJ3GE JPW V	T	22.1/91.8
W25	7030003860	S.RES ERJ3GE JPW V [GEN], [GEN-1], [AUS]	B	114/32.2
W27	7030003860	S.RES ERJ3GE JPW V [GEN], [GEN-1], [AUS]	B	127.5/20.4
W28	7030003860	S.RES ERJ3GE JPW V	T	66.4/28.3
W29	7030007150	S.RES MCR50JZHJ JPW (000)	T	86.5/74.4
W32	7030003860	S.RES ERJ3GE JPW V	B	6.9/26.5
W33	7030003860	S.RES ERJ3GE JPW V	T	30.5/28.7
W34	7030003970	S.RES MCR18EZJH JPW	B	45.1/52.1
W35	7030007150	S.RES MCR50JZHJ JPW (000)	B	78.5/22.9
W38	7030000010	S.RES MCR10EZJH JPW (000)	T	108.1/43.7
W39	7030003970	S.RES MCR18EZJH JPW	T	115.7/51.3
W40	7030003970	S.RES MCR18EZJH JPW	T	111/57.8
W41	7030003860	S.RES ERJ3GE JPW V	T	116.8/41
W42	7030003860	S.RES ERJ3GE JPW V	B	26.7/37.9
W43	7030003860	S.RES ERJ3GE JPW V	T	23.4/31.4
W44	7030003860	S.RES ERJ3GE JPW V		
W46	7030003860	S.RES ERJ3GE JPW V		
W47	7030000010	S.RES MCR10EZJH JPW (000)	B	81.9/27.4
W48	7030003970	S.RES MCR18EZJH JPW	B	92.9/31.2
W49	7030007150	S.RES MCR50JZHJ JPW (000)	B	67.7/30.4
W51	7030003860	S.RES ERJ3GE JPW V	T	104.4/43.6
W52	7030003970	S.RES MCR18EZJH JPW [EUR], [EUR-1]	T	32.7/28.7
W53	7030003970	S.RES MCR18EZJH JPW [EUR], [EUR-1]	T	34.9/28.7
W54	7030003970	S.RES MCR18EZJH JPW [EUR], [EUR-1]	T	37.1/28.7
W71	7030003860	S.RES ERJ3GE JPW V		
WS1	8970023550	AX2270 J LEAD SET (2) /MA		
EP2	6910013270	BEA 2643-625002		
EP3	9040901901	TUB IRRAX 0.7 (d) L=12 mm		
EP4	9040901901	TUB IRRAX 0.7 (d) L=12 mm		
EP5	6910010220	BEA HF70B3.5X5X1.3		
EP6	9025608001	TUB IRRAX 1 (d) L=7 mm		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

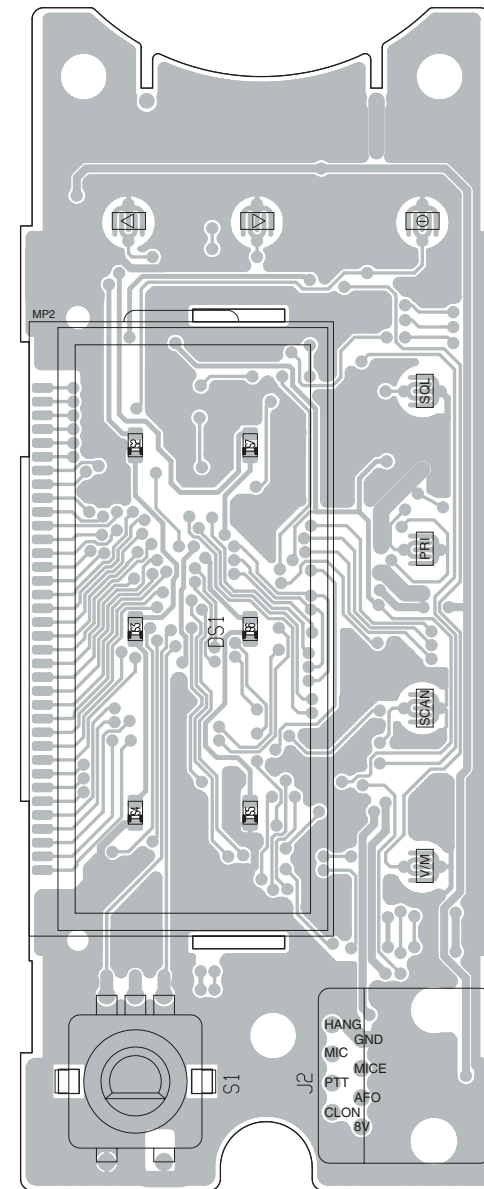
BOARD LAYOUTS

• **MAIN UNIT (A110/A110EURO)**
(TOP VIEW)

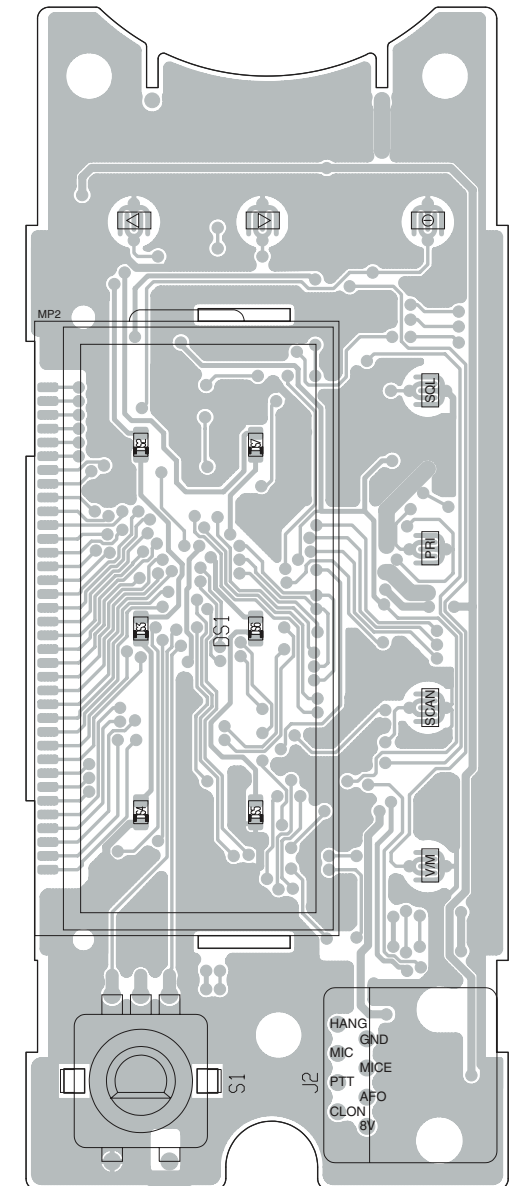


2																						40					
J5	GND	GND	GND	RMUT	RMUT	ARMUT	SMUT	VOS	SO	SO	SCK	SCK	BEEP	FISW	UNLK	PLSTB	SO	SO	SCK	RT	NC	SQI	GND	GND	GND		
	GND	GND	SPE	SPE	SP	SP	SP	8V	VCC	5V	TRC	TRMUT	FISW	PSWC	CPUSV	MICE	MIC	PTT	PTT	GND	GND	GND	GND	GND			
	from/to FRONT unit J1																										
	1 39																										

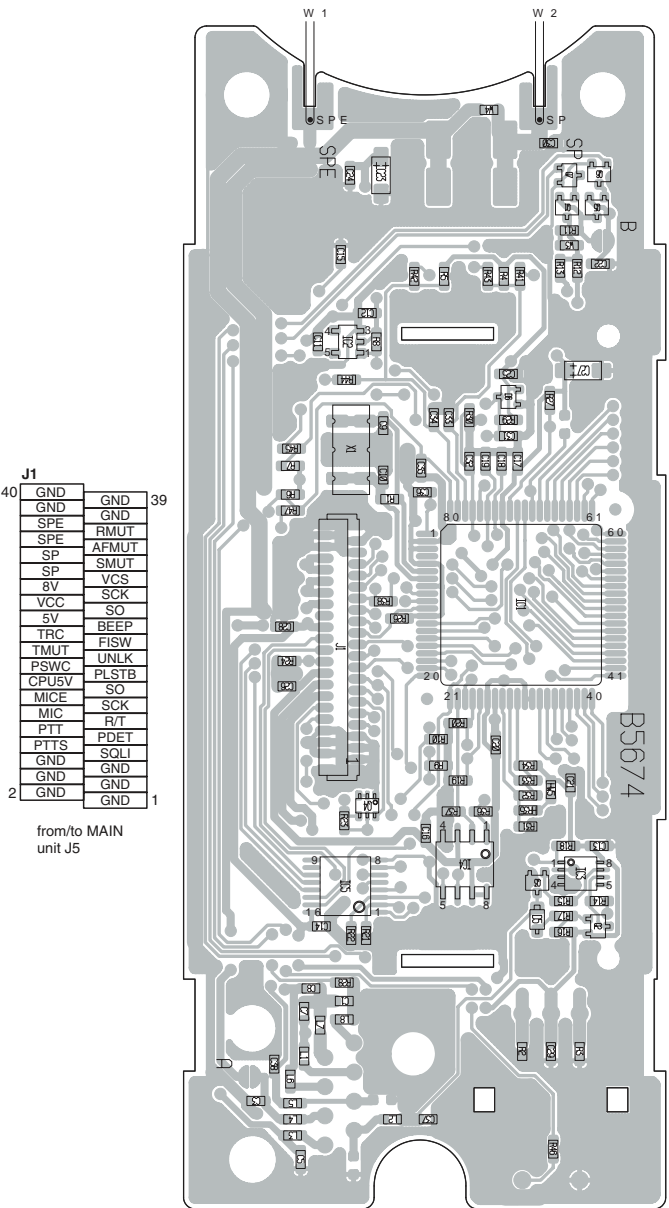
• **FRONT UNIT (A110)**
(TOP VIEW)



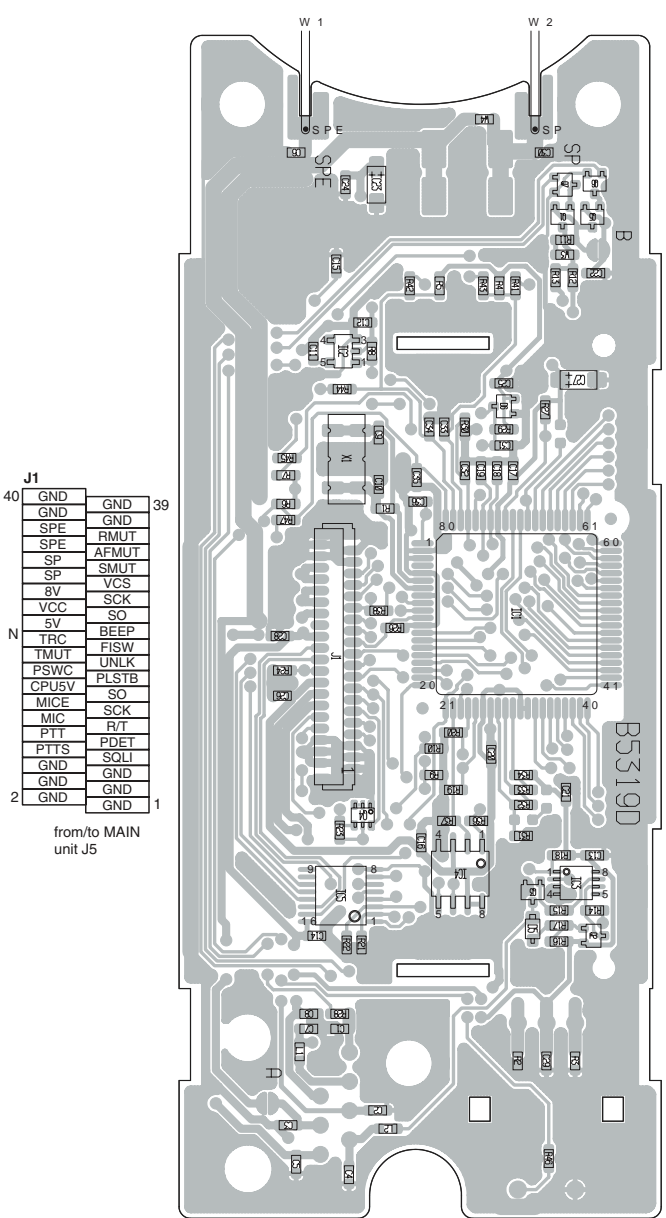
• FRONT UNIT (A110EURO)
(TOP VIEW)



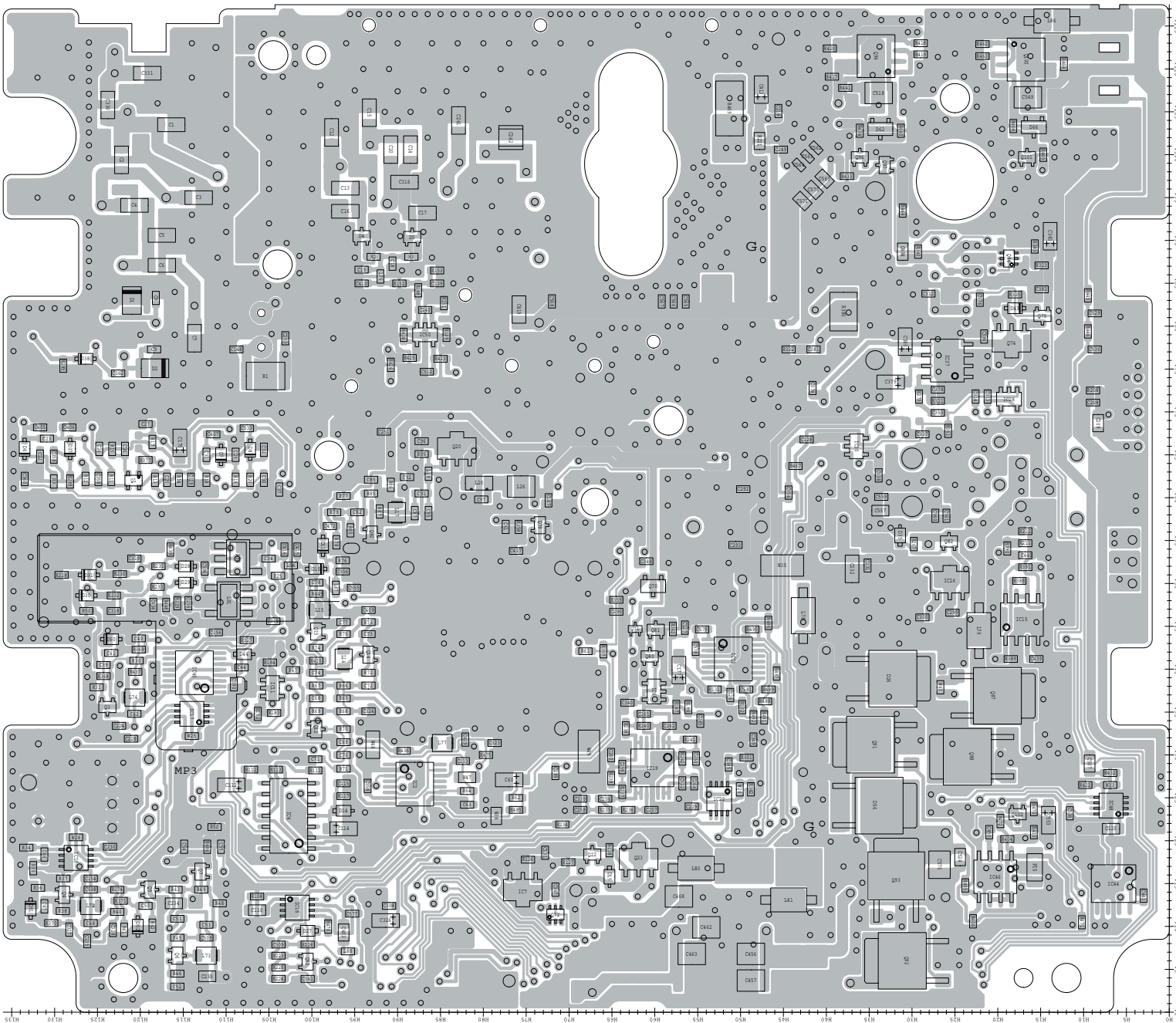
• FRONT UNIT (A110EURO)
(BOTTOM VIEW)



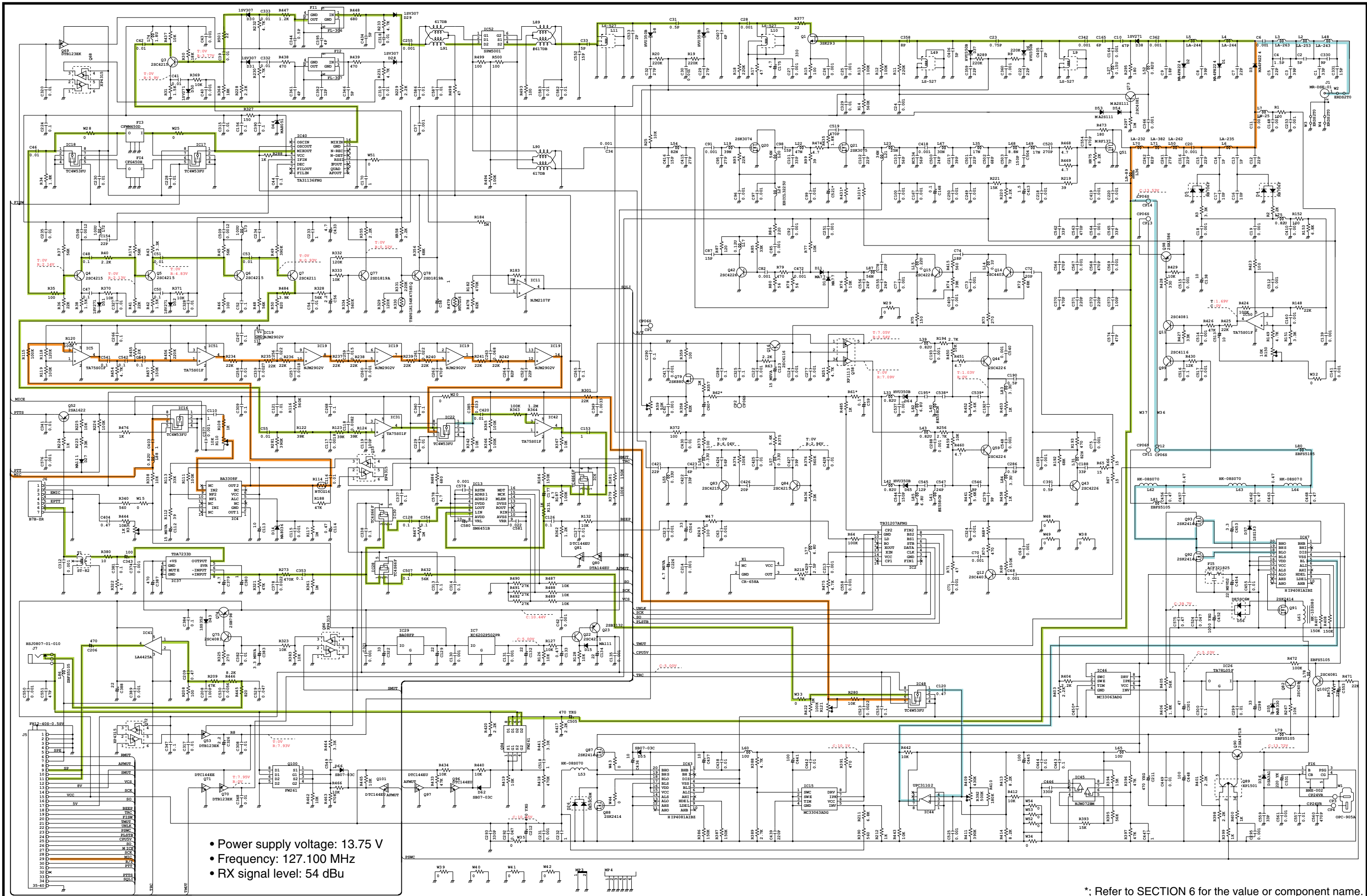
• FRONT UNIT (A110)
(BOTTOM VIEW)



• MAIN UNIT (A110/A110EURO)
(BOTTOM VIEW)



VOLTAGE DIAGRAM





SERVICE MANUAL

VHF AIR BAND TRANSCEIVER

IC-A110
IC-A110EURO

INTRODUCTION

This service manual describes the latest service information for the **IC-A110**, **IC-A110EURO** VHF AIR BAND TRANSCEIVER at the time of publication.

MODEL	VERSION	SYMBOL
IC-A110	General	GEN
	General-1	GEN-1
	U.S.A.	USA
	U.S.A.-1	USA-1
	Australia	AUS
	China	CHN
IC-A110EURO	Europe	EUR
	Europe-1	EUR-1

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.



DANGER

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

DO NOT expose the transceiver to rain, snow or any liquids.

DO NOT reverse the polarities of the power supply when connecting the transceiver.

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.

ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

1. 10-digit order numbers
2. Component part number and name
3. Equipment model name and unit name
4. Quantity required

<SAMPLE ORDER>

1130008830 S.IC TB31207AFN IC-A110 MAIN UNIT 5 pieces
8810009130 Screw BT M3x12 NI-ZU IC-A110 Bottom cover 10 pieces
Addresses are provided on the inside back cover for your convenience.

REPAIR NOTES

1. Make sure a problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the transceiver is defective.
6. **DO NOT** transmit power into a signal generator or a sweep generator.
7. **ALWAYS** connect a 50 dB to 60 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
8. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.

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SECTION 1 SPECIFICATIONS

1-1 IC-A110 SPECIFICATIONS

□ GENERAL

- Frequency coverage : 118.000–136.975 MHz
- Channel spacing : 25 kHz [GEN], [GEN-1], [CHN]
25 kHz/8.33 kHz [USA], [USA-1]
- Type of emission : AM (6K00A3E)
- Number of memory channels : 99 channels
- Antenna connector : SO-239 (50 Ω)
- Power supply requirement : 13.75 V DC or 27.5 V DC (negative ground)
- Current drain (at 13.75 V DC) : Transmit 5.0 A
Receive max. audio output 4.0 A
stand-by 500 mA
- Frequency stability : ±5 ppm
- Usable temperature range : –30°C to +60°C; –22°F to +140°F
- Dimensions (projections not included) : 150(W) × 50(H) × 180(D) mm; 5²⁹/₃₂(W) × 1³¹/₃₂(H) × 7³/₃₂(D) in
- Weight : 1.5 kg; 3 lb 5 oz

□ TRANSMITTER

- RF output power (at 13.75 V DC) : 9.0 W (typical)
- Modulation system : Last stage modulation
- Input impedance : 600 Ω
- Modulation limiting : 70–100 %
- Audio harmonic distortion : Less than 10 % (at 85 % modulation)
- Hum and noise ratio : More than 40 dB
- Spurious emissions : –16 dBm or less (except ±62.5 kHz of operating frequency)
- Antenna requirements : Standard 50 Ω antenna with a VSWR < 3 : 1

□ RECEIVER

- Receive system : Double conversion superheterodyne system
- Intermediate frequencies : 1st 38.85 MHz
2nd 450 kHz
- Sensitivity : Less than 1 μV at 6 dB S/N
- Squelch sensitivity : Less than 0.35 μV at threshold
- Selectivity :

At 25 kHz channel spacing	
±8 kHz	Less than 6 dB
±17 kHz	Less than 40 dB
±25 kHz	Less than 60 dB

At 8.33 kHz channel spacing	
±2.778 kHz	Less than 6 dB
±7.37 kHz	Less than 60 dB

- Spurious response rejection ratio : More than 74 dBμ
- Hum and noise : More than 25 dB
- Audio output power (at 13.75 V DC) : Ext SP More than 10.0 W at 10 % distortion with an 8 Ω load
Side tone More than 100 mW at 10 % distortion with an 500 Ω load
- Audio output impedance : Ext SP 8 Ω
Side tone 500 Ω

Specifications are measured in accordance with FCC Part87 and RTCA DO-186a.
(RTCA DO-186a: Class C/E, Class 4/6)

All stated specifications are subject to change without notice or obligation.

1-2 IC-A110EURO SPECIFICATIONS

■ GENERAL

- Frequency coverage : 118.000–136.975 MHz
- Channel spacing : 25 kHz/8.33 kHz
- Type of emission : AM (6K00A3E)
- No. of memory channels : 20 channels
- Antenna connector : SO-239 (50 Ω)
- Power supply requirement : 13.75 V DC or 27.5 V DC (negative ground)
- Current drain (13.75 V DC) :

Transmit	5.0 A max
Receive	max. audio 4.0 A max
	stand-by 500 mA max
- Usable temperature range : –20°C to +55°C; –4°F to +131°F
- Dimensions : 150(W) × 50(H) × 180(D) mm;
(projections not included) 5²⁹/₃₂(W) × 1³¹/₃₂(H) × 7³/₃₂(D) in.
- Weight : 1.5 kg; 3 lb 5 oz.

■ TRANSMITTER

- Output power : 9.0 W ±1.5 dB
(at 13.75 V DC)
(+15°C to +35°C; +59°F to +95°F)
9.0 W +2 dB or –3 dB
(–20°C to +55°C; +68°F to +131°F)
- Frequency error : ±1 ppm
(0°C to +40°C; +32°F to +104°F)
- Modulation depth : More than 85 %
- Modulation compression : Linear 85 %
Maximum 95 %
- Modulation system : Last stage modulation
- Amplitude mod. distortion : Less than 10 %
- Input impedance : 600 Ω
- Audio frequency response : +2 dB to –4 dB
(From 350 Hz to 2500 Hz)
More than –25 dB at 5000 Hz
(at 25 kHz channel spacing)
More than –25 dB at 3200 Hz
(at 8.33 kHz channel spacing)
- Adjacent channel power : Less than 60 dB
(at 25 kHz channel spacing)
Less than 50 dB
(at 8.33 kHz channel spacing)
- Conducted spuri. emissions : Less than –46 dBm
(Except ±1 kHz of operating frequency)
(9 kHz to 30 MHz)
Less than –36 dBm for harmonics
(30 MHz to 1 GHz)
Less than –46 dBm for non-harmonics
(30 MHz to 1 GHz)
Less than –30 dBm for harmonics
(1 GHz to 4 GHz)
Less than –40 dBm for non-harmonics
(1 GHz to 4 GHz)
- Antenna requirements : Standard 50 Ω antenna with
a VSWR < 3 : 1

■ RECEIVER

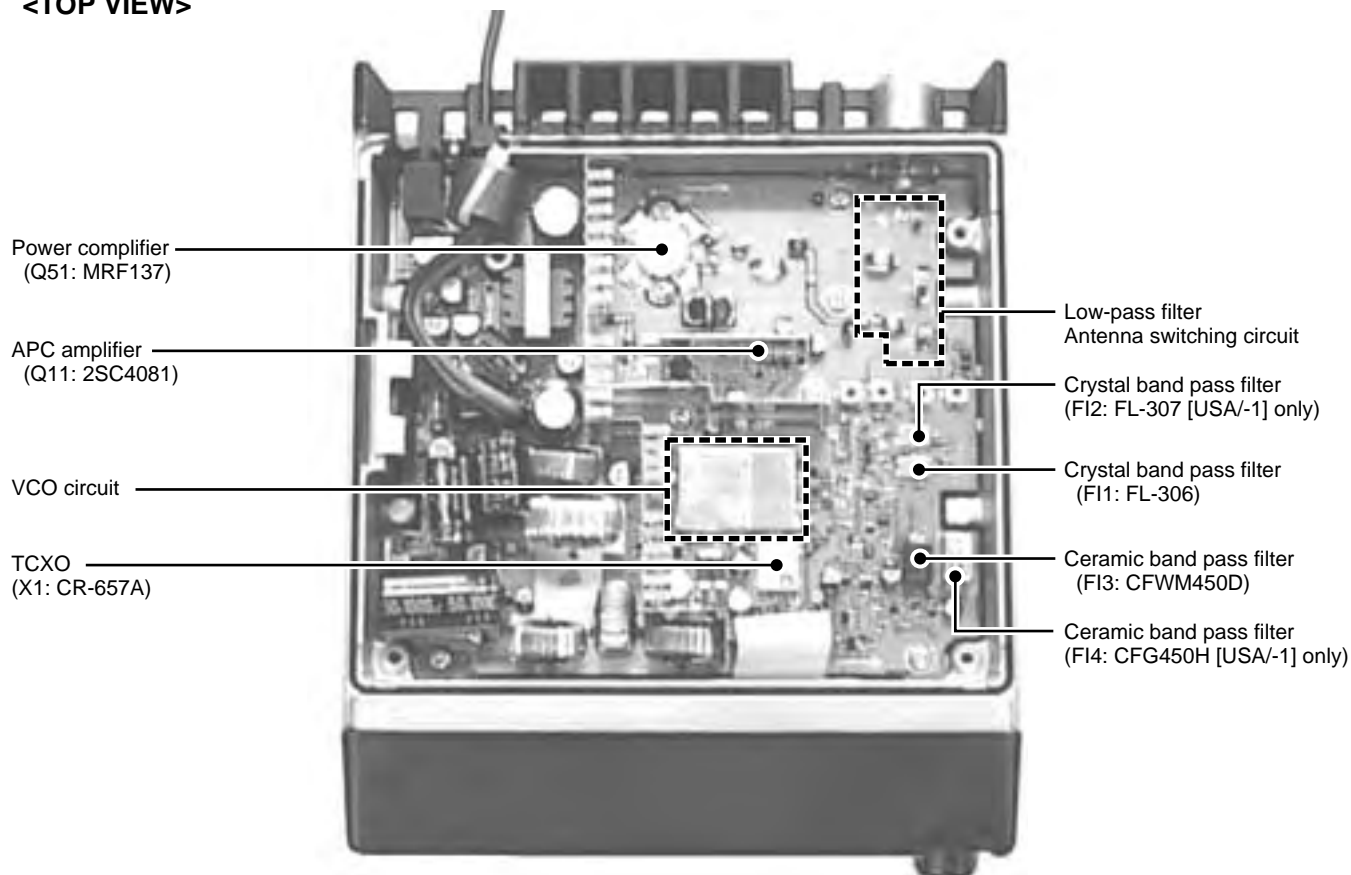
- Receive system : Double conversion super-heterodyne system
- Intermediate frequencies : 1st 38.85 MHz
2nd 450 kHz
- Sensitivity : Less than 1.8 μV
(at 12 dB SINAD)
- Squelch sensitivity : Less than 0.5 μV
(at threshold)
- Harmonics distortion : Less than 5 %
(at 30 % modulation)
Less than 10 %
(at 90 % modulation)
- Audio frequency response : +2 dB to –4 dB from 350 Hz
to 3000 Hz
(at 25 kHz ch. spacing)
+2 dB to –4 dB from 350 Hz
to 2500 Hz
(at 8.33 kHz ch. spacing)
- Audio noise : More than 40 dB
- Adjacent channel rejection : More than 60 dB
- Spurious response rejection : More than 70 dB
- Intermodulation response : More than 64 dB
- Blocking or desensitisation : More than 70 dB
- Spurious emissions : Less than –57 dBm
(9 kHz–1 GHz)
Less than –47 dBm
(1 GHz–4 GHz)
- Cross modulation rejection : More than 70 dB
- Receiver dynamic range : Less than 6 dB
- Audio output power : • Ext SP.
(at 13.75 V DC) More than 10.0 W at 10%
distortion with 8 Ω load
• Side tone
More than 100 mW at 10%
distortion with 500 Ω load

Specifications are measured in accordance with EN 300 676.

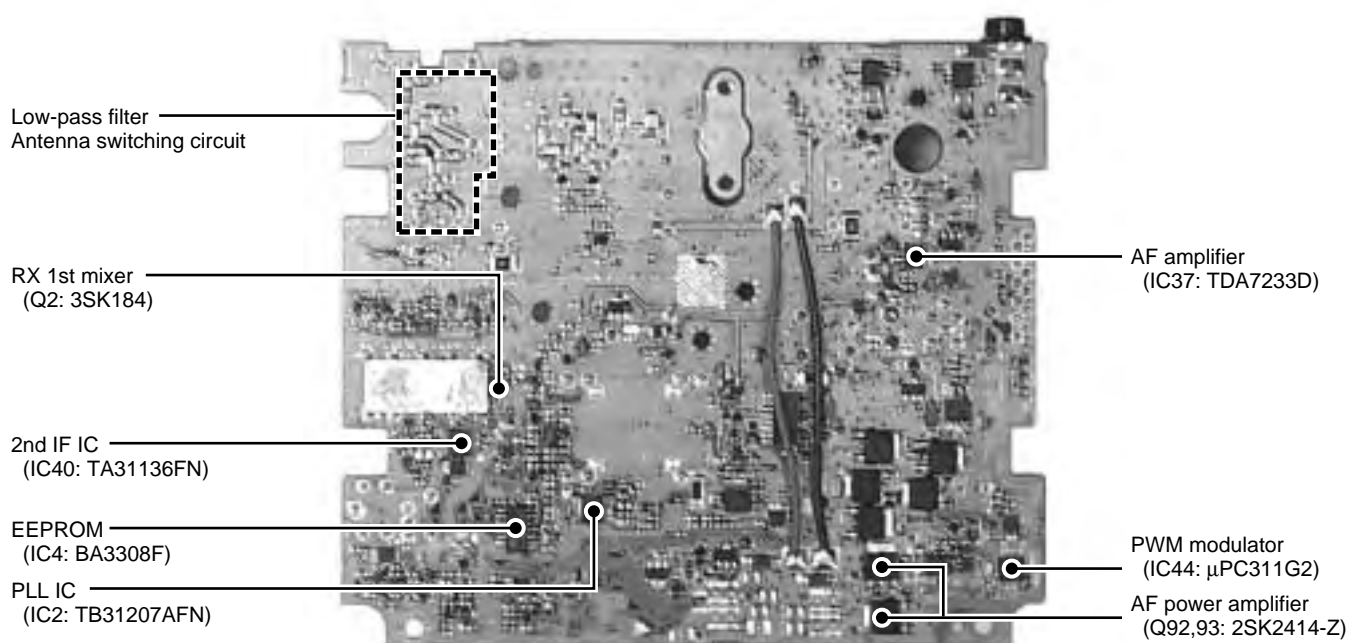
All stated specifications are subject to change without notice or obligation.

SECTION 2 INSIDE VIEWS

● MAIN UNIT (IC-A110) <TOP VIEW>



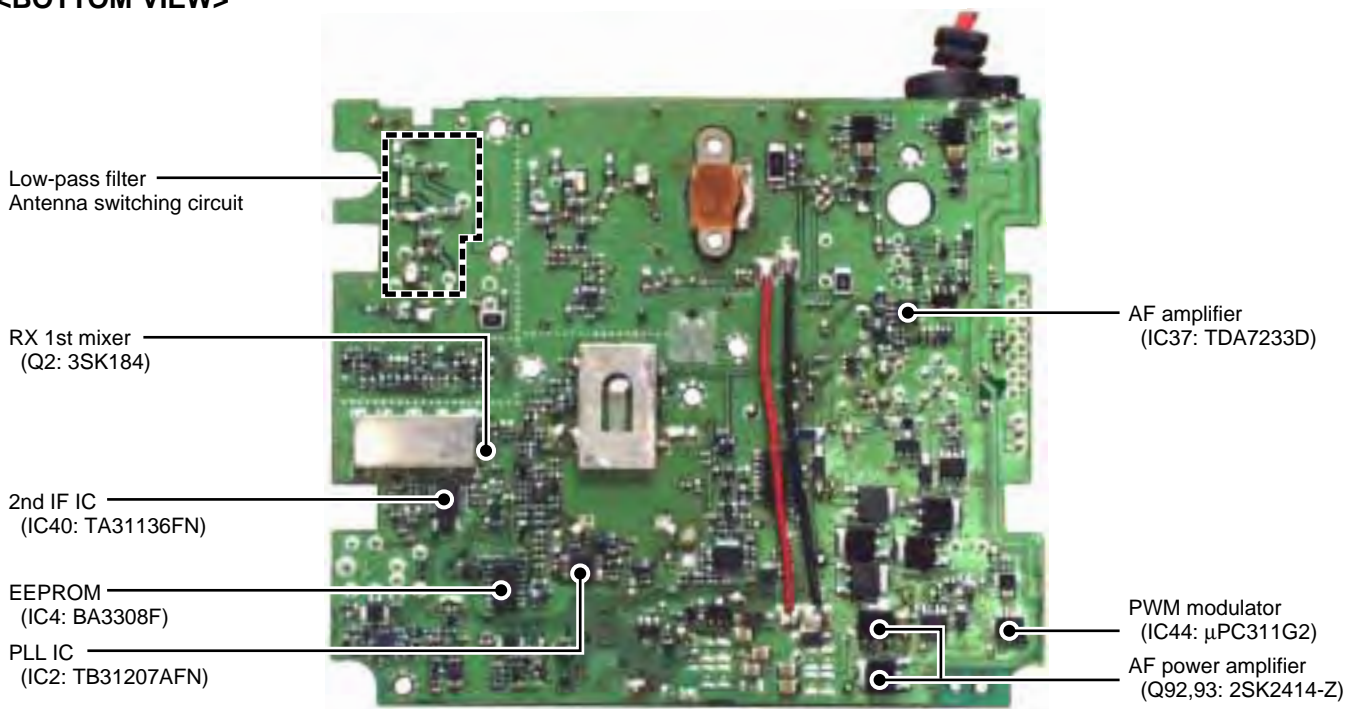
<BOTTOM VIEW>



● **MAIN UNIT (IC-A110EURO)**
<TOP VIEW>



<BOTTOM VIEW>



SECTION 3 CIRCUIT DESCRIPTION

3-1 RECEIVER CIRCUITS

3-1-1 ANTENNA SWITCHING CIRCUIT (MAIN UNIT)

The antenna switching circuit functions as a low-pass filter while receiving. However, its impedance becomes very high while D1 and D2 are turned ON. Thus transmit signals are blocked from entering the receiver circuits. The antenna switching circuit employs a $\lambda/4$ type diode switching system. The passed signals are then applied to the RF amplifier circuit.

Received signals are passed through the low-pass filter (L2, L3, L48, C1–C6, C330, C331). The filtered signals are applied to the $\lambda/4$ type antenna switching circuit (D1, D2).

3-1-2 RF CIRCUIT (MAIN UNIT)

The RF circuit amplifies signals within the range of frequency coverage and filters out-of-band signals.

The signals from the antenna switching circuit are amplified at the RF amplifier (Q1) after passing through the RX attenuator (D38, L52, R295), bandpass filter (L27, L8, C10, C164, C165, C21) and two-stage tunable bandpass filters (the first filter is consisted of D6, L9, C342, C405 and the second filter is consisted of D37, L49, C23, C406). The amplified signals are applied to the 1st mixer circuit (Q2, gate 1) after out-of-band signals are suppressed at the another two-stage tunable bandpass filters (D7, L10, C28, C407 and D8, L11, C31, C553).

The tunable bandpass filters (D6–D8, D37) which employ varactor diodes, track the filters and are controlled by the PLL IC (IC2) via the tune buffer amplifier (Q79) using "TUNE" signal. These diodes tune the center frequency of an RF passband for wide bandwidth receiving and good image response rejection.

3-1-3 1ST MIXER AND 1ST IF CIRCUITS (MAIN UNIT)

The 1st mixer circuit converts the received signal into a fixed frequency of the 1st IF signal with a PLL output frequency. By changing the PLL frequency, only the desired frequency will pass through a crystal filter at the next stage of the 1st mixer.

The filtered signals from the RF circuit are mixed at the 1st mixer (Q2) with a 1st LO signal coming from the VCO circuit to produce a 38.85 MHz 1st IF signal.

The 1st IF signal is applied to a pair of crystal filter [Wide mode: FI1, Narrow mode: FI2] to suppress out-of-band signals. The filtered 1st IF signal is applied to the IF amplifier (Q3), then applied to the 2nd mixer circuit (IC40, pin 16).

3-1-4 2ND MIXER AND 2ND IF CIRCUITS (MAIN UNIT)

The 2nd mixer circuit converts the 1st IF signal into a 2nd IF signal. A double conversion superheterodyne system (which converts receive signals twice) improves the image rejection ratio and obtains stable receiver gain.

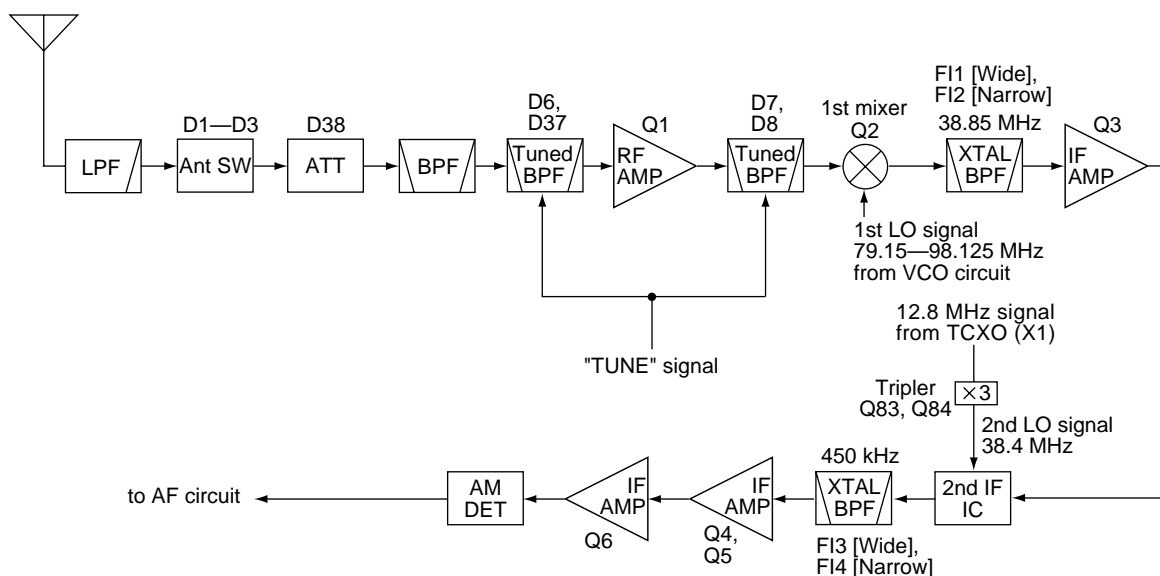
The 1st IF signal from the IF amplifier is applied to the 2nd mixer section of the IF IC (IC2, pin 16), and is mixed with the 38.4 MHz 2nd LO signal to be converted into a 450 kHz 2nd IF signal.

A 2nd LO signal (38.4 MHz) is produced at the PLL circuit by tripling its reference frequency (12.8 MHz).

The 2nd IF signal from the 2nd mixer (IC2, pin 3) passes through a ceramic filter [Wide mode: FI3, Narrow mode: FI4] to remove unwanted heterodyned frequencies. It is then amplified at the 2nd IF amplifiers (Q4–Q6).

• RECEIVER CONSTRUCTION

118.000—136.975 MHz



3-1-5 AM DETECTOR CIRCUIT (MAIN UNIT)

The AM detector circuit converts the 2nd IF signal into AF signals.

The amplified 2nd IF signal from the 2nd IF amplifier (Q6) is applied to the AM detector circuit (Q7). It is then detected for conversion to AF signals.

The AF signals are applied to the AF circuit.

3-1-6 AF CIRCUIT (MAIN UNIT)

The AF circuit amplifies the demodulated AF signals to drive a speaker.

The AF signals are passed through the low pass filter (IC31, pin 1), and then applied to the MOD/AF select switch (IC22, pin 7).

The AF signals are amplified at the AF amplifier (IC42, pin 3), and are then passed through the receiver mute switch (IC6) and electric-volume switch (IC13, pins 14, 15) to control AF level. The level controlled signals are then applied to the mute switch (IC30, pin 1).

While in using the internal speaker or connecting outer speaker jack, the AF signals are applied to the MOD/AF switch (IC48, pin 7) via the AF mute switch (IC28). The applied AF signals are compared at the PWM IC (IC44) with the reference signal from the triangular wave oscillator (IC45), and are then converted to the PWM wave form. The AF signals are amplified at the FET driver (IC47) and AF power amplifiers (Q92, Q93). The amplified AF signals are applied to the SP mute switch (Q100, Q101, D66) via the line filter (L62–L64, L81, C456, C457, C462, C463). The filtered AF signals are applied to the internal speaker via the [EXT SP] jack (J7).

While in connecting the head set, the AF signals are amplified at the AF power amplifier (IC37, pin 8), and then applied to the ACC connector (J6, pin 6) via the impedance converter (T1).

3-1-7 SQUELCH CIRCUIT (MAIN AND FRONT UNITS)

The squelch circuit cuts out AF signals when receiving no modulated signal. When no voice modulation is included in the signal, the squelch circuit cuts out the AF signal by comparing voice audio and noise audio components in the AF detected signals.

The 2nd IF signal from the IF IC (MAIN unit; IC40, pin 3) passes through the 450 kHz ceramic filter (Wide mode: FI3, Narrow mode: FI4) to remove out-of-band signals, and then applied to the IF amplifier.

A portion of the amplified 2nd IF signal from the IF amplifier (MAIN unit; Q4) is applied to the IF amplifier section on the IF IC (MAIN unit; IC40, pin 5). The amplified signal passes through the RSSI section, and are then applied to the squelch amplifier (MAIN unit; IC11, pin 1) as "RSSI" signal.

The amplified "RSSI" signal at IC11 is output from pin 4 as "SQLI" signal, and is then applied to the CPU (FRONT unit; IC1, pin 74). The CPU analyzes the noise condition and outputs the "AFMUT" signal via the output expander IC (FRONT unit; IC5) to switch the SP mute switch (MAIN unit; Q100, Q101), etc. When connecting the head set, "RMUTE" signal from the CPU via the output expander IC (FRONT unit; IC5) is applied to the RMUTE circuit (MAIN unit; IC6, Q80, Q81).

Even when the squelch is closed, the mute switch (IC30) opens at the moment of emitting beep tones.

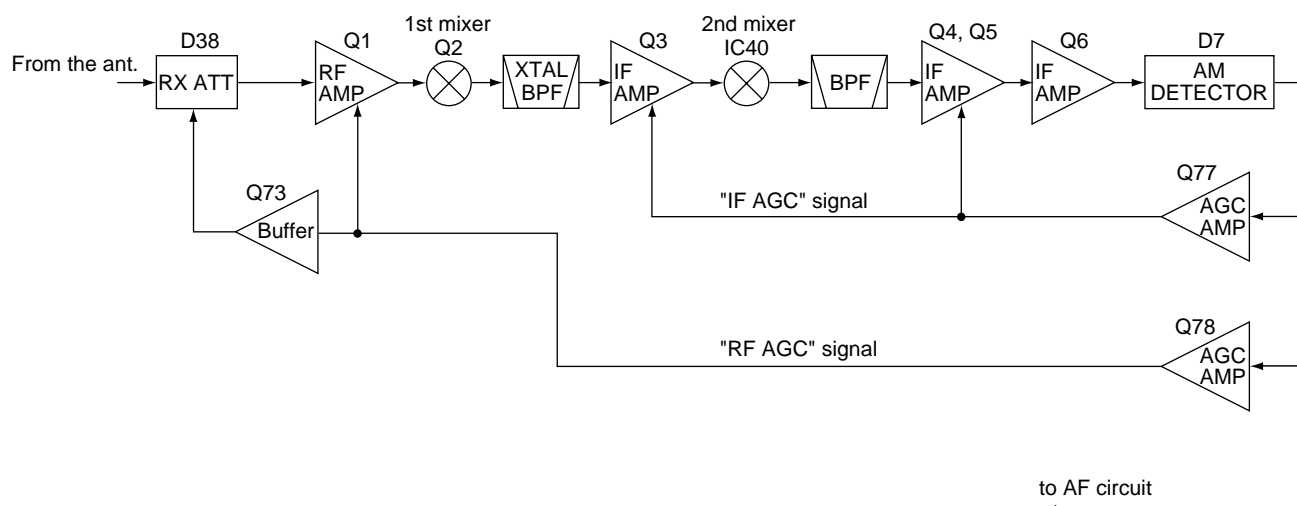
3-1-8 AGC CIRCUIT (MAIN UNIT)

The AGC (Automatic Gain Control) circuit reduces signal fading and keeps the audio output level constant.

AF signal from the AM detector circuit (Q7) is amplified at AGC amplifiers (Q77, Q78). The amplified signal from Q77 is applied to the IF amplifier (Q3, Q4, Q5). The other amplified signal from Q78 is applied to the RF amplifier (Q1), and the RX attenuator (D38) via the buffer amplifier (Q73).

These amplifiers reduce the amplifier gain of IF amplifiers (Q3, Q4, Q5) and the RF amplifier (Q1) while receiving a strong signal.

• AGC CIRCUIT



3-2 TRANSMITTER CIRCUITS

3-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN UNIT)

The microphone amplifier circuit amplifies audio signals from the microphone, within +6 dB/octave pre-emphasis characteristics (300 Hz–3 kHz), to a level needed for the modulation circuit.

The AF signals from the microphone are applied to the IN/EXT MIC switch (IC16, pin 7) via the "MIC" signal. When using a headset, "EXTMIC" signal are applied to the external switch (IC16, pin 6) via R336 to adjust the external microphone level. The output signal from IC16 (pin 1) are applied to the ALC amplifier (IC4, pin 9) via R110 to adjust the microphone sensitivity.

The output signal from IC4 (pin 7) are amplified at the AF amplifier (IC5), and then applied to the MOD/AF switch via the high-pass filter (IC51) and low-pass filter (IC19) to filter out RF components. The filtered signals are applied to the modulation circuit.

3-2-2 MODULATION CIRCUIT (MAIN UNIT)

The modulation circuit modulates the VCO oscillating signal (RF signal) using the microphone AF signal.

The audio signals are passed through the MOD/AF switch (IC48, pin 6) via the modulation depth adjustment pot R121. The signals are converted to the PWM (Pulse-Width-Modulation) wave form at the PWM IC (IC44, pin 3), and power amplified at the FET driver (IC47, pin 5) and power MOS FET (Q92, Q93). The power-amplified signals are passed through the line filter (L62–L64, L81, C456, C457, C462, C463, C468), and then applied to the drain of power amplifier (Q51) for the last stage modulation.

3-2-3 DRIVE/POWER AMPLIFIER CIRCUITS (MAIN UNIT)

The amplifier circuit amplifies the VCO oscillating signal to the output power level.

The signal from the buffer amplifiers (Q14, Q15) is passed through the TX/RX switch (D11), and is amplified at the pre-amplifier (Q42), pre-drivers (Q20, Q21) and the power amplifier (Q51) to obtain 9 W of RF power.

The amplified signal is passed through the antenna switching circuit (D3) and low-pass filter, and is then applied to the antenna connector.

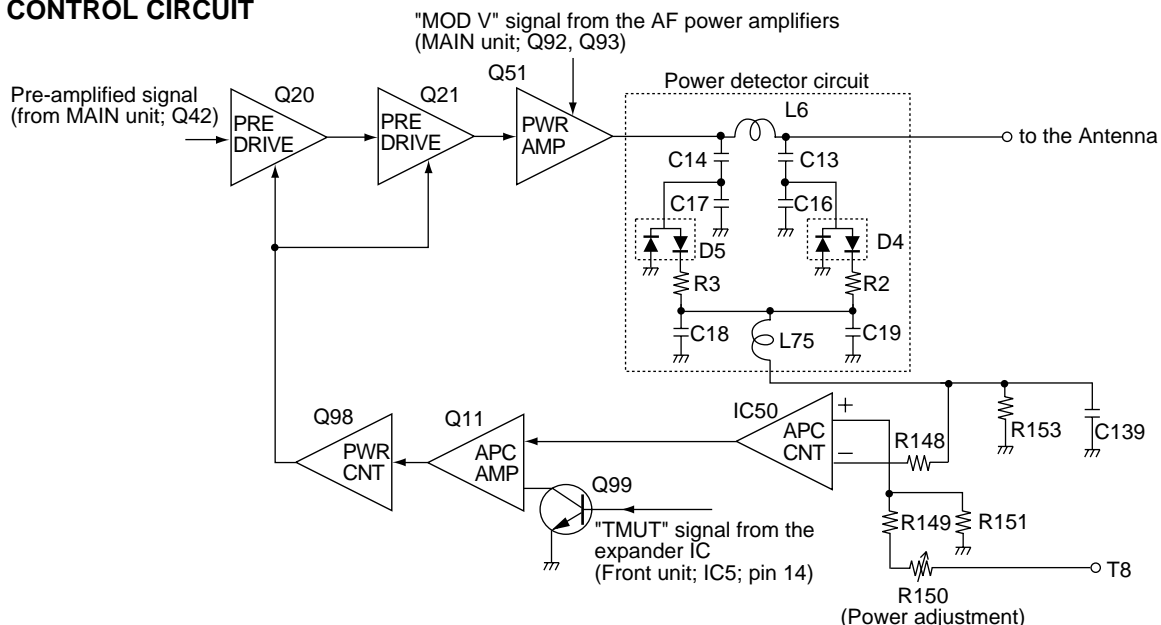
3-2-4 APC CIRCUIT (MAIN UNIT)

The APC (Automatic Power Control) circuit protects the drive and power amplifiers from mismatched output loads.

The APC detector circuit (D4, D5) detects forward and reflected signals respectively. The combined voltage is at a minimum level when the antenna is matched at 50 Ω and is increased when it is mismatched.

The detected voltage is applied to one of the APC controller inputs (IC50, pin 3) and a power setting voltage is applied to the other input (pin 1). When the antenna impedance is mismatched, the detected voltage exceeds the reference voltage. Thus the bias voltage of the pre-drivers is decreased.

• APC CONTROL CIRCUIT



3-3 PLL CIRCUIT

3-3-1 GENERAL (MAIN UNIT)

A PLL circuit provides stable oscillation of the transmit frequency and receive 1st LO frequency. The PLL output compares the phase of the divided VCO frequency to the reference frequency. The PLL output frequency is controlled by the divided ratio (N-data) of a programmable divider.

The PLL circuit contains of the TX-VCO and RX-VCO circuits. The oscillated signals are applied to the buffer amplifiers (Q43, Q12) then applied to the PLL IC (IC2, pin 8). IC2 is a dual PLL IC which controls VCO circuits for TX and RX.

The PLL circuit, using a one chip PLL IC (IC2), directly generates the transmit frequency and receive 1st IF frequency with VCOs. The PLL sets the divided ratio based on serial data from the CPU on the FRONT unit and compares the phases of VCO signals with the reference oscillator frequency. The PLL IC detects the out-of-step phase and output from pin 9 for TX and RX, respectively. The reference frequency (12.8 MHz) is oscillated at X1.

3-3-2 TX LOOP (MAIN UNIT)

The generated signal at the TX-VCO (Q44, D64) enters the PLL IC (IC2, pin 8), and is divided at the programmable divider section and is then applied to the phase detector section.

The phase detector compares the input signal with a reference frequency, and then outputs the out-of-phase signal (pulse-type signal) from pin 9.

The pulse-type signal is converted into DC voltage (lock voltage) at the loop filter (R61, R62, C59, C60), and then applied to the varactor diode (D64) of the TX-VCO to stabilize the oscillated frequency.

3-3-3 RX LOOP (MAIN UNIT)

The generated signal at the RX-VCO (Q59, D65) enters the PLL IC (IC2, pin 8), and is divided at the programmable divider section. The divided signal is then applied to the phase detector section.

The phase detector compares the input signal with a reference frequency, and then outputs the out-of-phase signal (pulse-type signal) from pin 9.

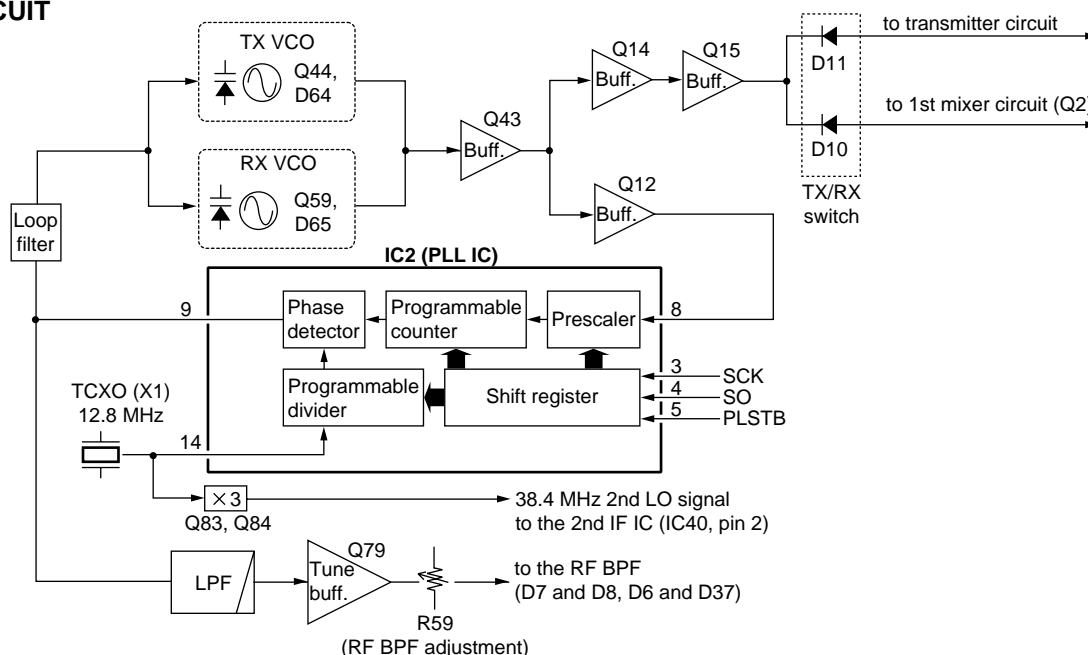
The pulse-type signal is converted into DC voltage (lock voltage) at the loop filter (R61, R62, C59, C60), and then applied to the varactor diode (D65) of the RX-VCO to stabilize the oscillated frequency. The lock voltage is also used for the receiver circuit for the bandpass filter center frequency. The lock voltage from the PLL IC (IC2, pin 9) passes through the low-pass filter, and is applied to the tune buffer amplifier (Q79). The amplified signal is applied to the RF bandpass filters (D7, D8 and D6, D37) via the tune adjustment pot (R59).

3-3-4 VCO CIRCUIT (MAIN UNIT)

The VCO outputs from Q44 (TX) and Q59 (RX) are buffer amplified at Q43, and are applied to the buffer amplifiers (Q14, Q15). The amplified signal is applied to the T/R switch (D10, D11). The receive LO signal is applied to the 1st mixer circuit (Q2), and the transmit signal is applied to the pre-amplifier (Q42).

A portion of the VCO signal is amplified at the buffer amplifier (Q12), and then fed back to the PLL IC (IC2, pin 8).

• PLL CIRCUIT



3-4 POWER SUPPLY CIRCUITS VOLTAGE LINES (MAIN UNIT)

LINE	DESCRIPTION
VCC	The voltage from the external DC power connector which is controlled by the power switch ([VOL] control).
8V	Common 8 V converted from the VCC line by the +8 V regulator circuit (IC29). The output voltage is applied to the +5 V regulator circuit (IC7), the ripple filter (Q16), and etc.
+5V	Common 5 V converted from the 8V line by the +5V regulator (IC7) and +5V current amplifier (Q22, Q23, D15) circuits. The output voltage is applied to the electric volume IC (IC13), buffer amplifiers (Q68, Q69), and etc.
CPU5V	Common 5 V converted from the VCC line by +8 V regulator (Q82, D35) and +5 V regulator circuits (IC26). The output 5 V voltage is applied to the CPU (FRONT unit; IC1).
T8	8 V for transmitter circuits regulated by the +8 V regulator circuit (IC29).
R8	8 V for receiver circuits regulated by the +8 V regulator circuit (IC29).

3-5 PORT ALLOCATIONS

3-5-1 OUTPUT EXPANDER IC (FRONT UNIT: IC5)

Pin number	Port name	Description
4, 5	LED1, LED2	Outputs backlight control signals.
		LED1LED2Backlight condition
		LowLowLight OFF
		HighLowNo establishment
		LowHighLight ON, Dimmer ON
HighHighLight ON, Dimmer OFF		
6	TRC	Outputs control signal to the MOD/AF switch (MAIN unit: IC48, pin 5) and etc. High: While transmitting.
7	R/T	Outputs control signal to the TX/RX switch (MAIN unit: Q58, pin 1) for VCO. Low: While transmitting.
11	SMUT	Outputs AF mute switch (MAIN unit: IC30, Q86, Q75, Q74, D43) control signal. Low: While squelched.
12	AFMUT	Outputs control signal to the mute switch (MAIN unit; Q100, Q101, D66) for speaker amplifier, and etc. Low: While the speaker output is muted.
13	RMUT	Outputs RMUTE switch (IC6) control signal. Low: While squelched.
14	TMUT	Outputs T8 regulator control signal. Low: When TX is muted.

3-5-2 CPU (FRONT UNIT; IC1)

Pin number	Port name	Description
1, 2, 3, 5, 8, 12	KR4	Input ports for the key matrix.
9	RESET	Input port for the CPU reset signal.
10	PSWC	Outputs control signal for the power supply circuit. High: Power is ON.
11	BEEP	Outputs beep audio signals.
13	ECK	Outputs clock signal to the EEPROM (FRONT unit; IC4, pin 6).
14	ESO	Outputs data signal to the EEPROM (FRONT unit; IC4, pin 5).
15	ECS	Outputs chip select signal to the EEPROM (FRONT unit; IC4, pin 1).
16, 17	DLA, DLB	Input port for the [DIAL] control signal.
18	OE	Outputs control signal to the expander IC (FRONT unit; IC5, pin 15).
19	EXSTB	Outputs strobe signals to the expander IC (FRONT unit; IC5, pin 1).
20	VCS	Outputs chip select signal to the electric volume (MAIN unit; IC13). Low: While volume is controlled.
21	SCK	Outputs serial clock to the PLL IC (MAIN unit; IC2, pin 3), the expander IC (FRONT unit; IC5, pin 3) and the electric volume (MAIN unit; IC13, pin 8).
22	ESI	Input port for the data signal from the EEPROM (FRONT unit; IC4, pin 2).
23	SO	Outputs serial data to the PLL IC (MAIN unit; IC2, pin 4), the expander IC (FRONT unit; IC5, pin 2) and the electric volume (MAIN unit; IC13, pin 9).
24	PLSTB	Outputs strobe signals to the PLL IC (MAIN unit; IC2, pin 5).
25	FISW	Outputs 2nd IF filter's select signal. High: While wide is selected.
69	UNLK	Input port for the unlock signal from the PLL IC (MAIN unit; IC2, pin 11). Low: PLL is unlocked.
70	CLIN	Input port for the cloning signal.
71	CLO	Output port for the cloning signal.
72	PSW	Input port for the POWER switch. Low: While POWER switch is pushed
74	SQLI	Input port for the squelch signal.

Pin number	Port name	Description
76	HANG	Input port for the microphone hanger detection signal. Low: Microphone on hook.
77	PTT	Input port for the PTT switch. High: While PTT switch is pushed.
78-80	KR1-KR2	Input ports for the key matrix.

SECTION 4 ADJUSTMENT PROCEDURES

4-1 PREPARATION

- Some versions may need the optional CS-A110 CLONING SOFTWARE and OPC-478, OPC-592 CLONING CABLE for setting the adjustment frequency.
- All adjustments must be performed on the [Wide] mode.

■ REQUIRED TEST EQUIPMENT

EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
DC power supply	Output voltage : 13.75 V DC Current capacity : 10 A or more	DC voltmeter	Input impedance : 50 kΩ/V DC or better
RF power meter (terminated type)	Measuring range : 1–50 W Frequency range : 50–300 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1	Digital multimeter	Input impedance : 10 MΩ/V DC or better
		Audio generator	Frequency range : 300–3000 Hz Measuring range : 1–500 mV
		Standard signal generator (SSG)	Frequency range : 0.1–300 MHz Output level : 0.1 μV–32 mV (–127 to –17 dBm)
Frequency counter	Frequency range : 0.1–300 MHz Frequency accuracy : ±1 ppm or better Sensitivity : 100 mV or better	AC millivoltmeter	Measuring range : 10 mV–10 V
Modulation analyzer	Frequency range : DC–300 MHz Measuring range : 0 to 100 %	Attenuator	Power attenuation : 40 or 50 dB Capacity : 50 W or more
Distortion meter	Frequency range : 1 kHz±10 % Measuring range : 1 to 100 %	Terminator	Impedance : 50 Ω Capacity : 50 W or more
External speaker	Impedance : 8 Ω		

■ VFO CHANNEL ID LIST

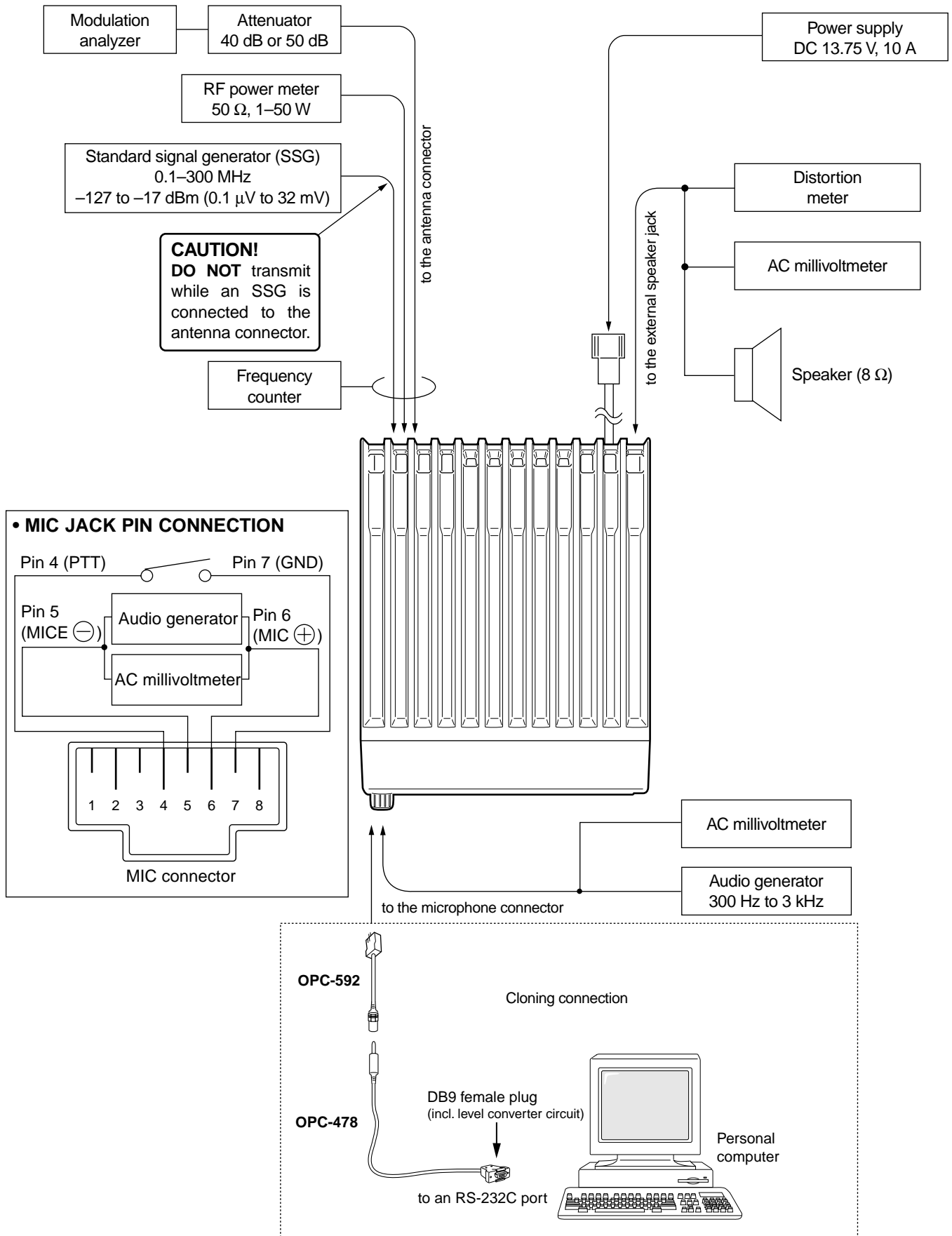
- Channel spacing: 8.33/25 kHz [USA/USA-1]

Operating Freq. (MHz)	Channel spacing (kHz)	Channel ID (Displayed Freq.)
118.0000	25	118.000
118.0000	8.33	118.005
118.0083	8.33	118.010
118.0167	8.33	118.015
118.0250	25	118.020
118.0250	8.33	118.030
118.0333	8.33	118.035
118.0417	8.33	118.040
118.0500	25	118.050
118.0500	8.33	118.055
118.0583	8.33	118.060
118.0667	8.33	118.065
118.0750	25	118.070
118.0750	8.33	118.080
118.0833	8.33	118.085
118.0917	8.33	118.090
118.1000	25	118.100
118.1000	8.33	118.105
etc		

- Channel spacing: 25 kHz [GEN/GEN-1], [CHN]

Operating Freq. (MHz)	Channel spacing (kHz)	Channel ID (Displayed Freq.)
118.0000	25	118.000
118.0250	25	118.025
118.0500	25	118.050
118.0750	25	118.075
118.1000	25	118.100
etc		

■ CONNECTION

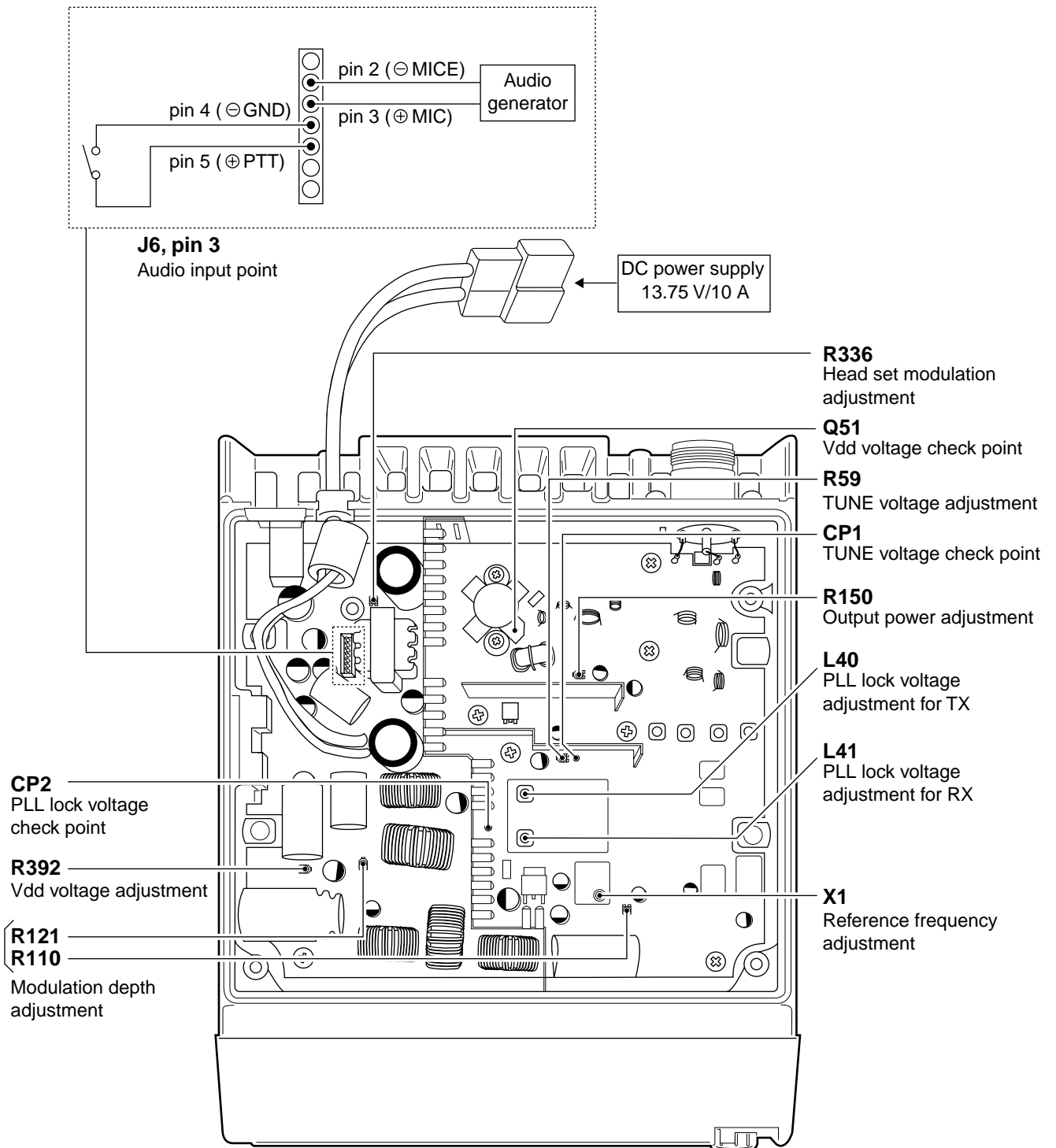


4-2 PLL ADJUSTMENT

ADJUSTMENT		ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION		UNIT	ADJUST
Vdd VOLTAGE	1	<ul style="list-style-type: none"> Operating frequency : 118.000 MHz Receiving 	MAIN	Connect a digital multi-meter to drain terminal of Q51.	13.5 V	MAIN	R392
PLL LOCK VOLTAGE	1	<ul style="list-style-type: none"> Operating frequency : 118.000 MHz Receiving 	MAIN	Connect a digital multi-meter to the check point CP2.	0.5 V	MAIN	L41
	2	<ul style="list-style-type: none"> Transmitting 			0.5 V [A110] 0.3 V [A110EURO]		L40
TUNE VOLTAGE	1	<ul style="list-style-type: none"> Operating frequency : 118.000 MHz Receiving 	MAIN	Connect a digital multi-meter to the check point CP1.	0.7 V	MAIN	R59
REFERENCE FREQUENCY	1	<ul style="list-style-type: none"> Operating frequency : 136.950 MHz Connect an RF power meter or a 50 Ω dummy load to the antenna connector. Transmitting 	Rear panel	Loosely couple the frequency counter to the antenna connector.	136.9500 MHz	MAIN	X1

4-3 TRANSMITTER ADJUSTMENT

ADJUSTMENT		ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION		UNIT	ADJUST
OUTPUT POWER	1	<ul style="list-style-type: none"> Operating frequency : 127.000 MHz No audio applied to the [MIC] jack. Transmitting 	Rear panel	Connect an RF power meter to the antenna connector.	9.0 W	MAIN	R150
MODULATION DEPTH	1	<ul style="list-style-type: none"> Operating frequency : 127.000 MHz Connect an audio generator to the [MIC] jack and set as : 1 kHz/10 mVrms Set a modulation analyzer as : HPF : OFF LPF : OFF De-emphasis : OFF Detector : (P-P)/2 Pre-set R110 and R121 on the MAIN unit to the center position. Transmitting 	Rear panel	Connect a modulation analyzer to the antenna connector through an attenuator.	90 %	MAIN	R121
	2	<ul style="list-style-type: none"> Set an audio generator as: 1 kHz/1 mVrms Transmitting 			30 %		R110
HEAD SET MODULATION	1	<ul style="list-style-type: none"> Operating frequency : 127.000 MHz Connect an audio generator to the [EXT MIC] jack and set as : 1 kHz/25 mVrms Transmitting 	Rear panel	Connect a modulation analyzer to the antenna connector through an attenuator.	30 %	MAIN	R336

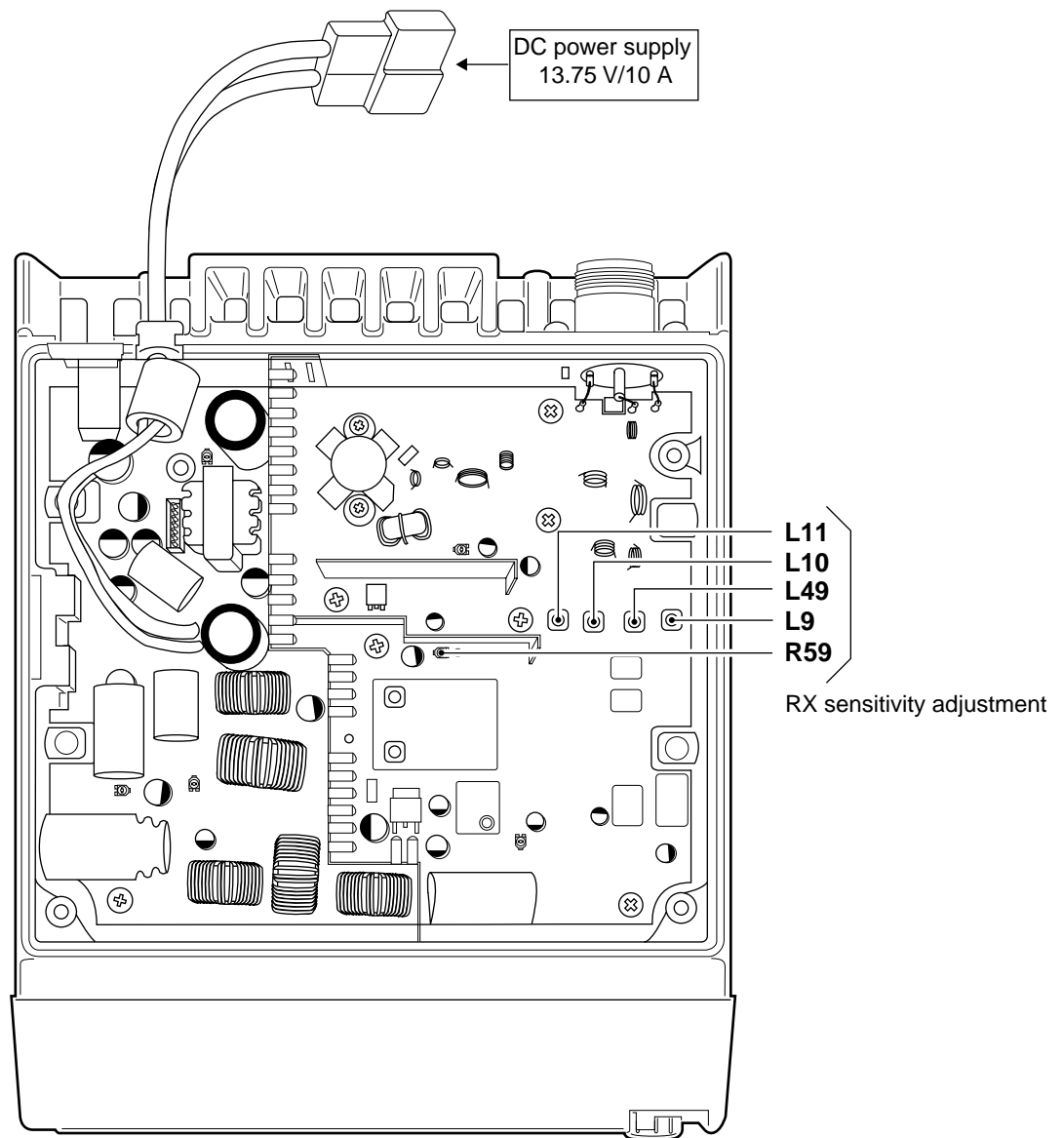


4-4 RECEIVER ADJUSTMENT

“SQUELCH ADJUSTMENT” must be performed at “SQUELCH ADJUSTMENT MODE”.

ADJUSTMENT		ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
			UNIT	LOCATION		UNIT	ADJUST
RX SENSITIVITY	1	<ul style="list-style-type: none">• Operating frequency : 118.000 MHz• Pre-set L9, L10, L11, L49 on the MAIN unit to max. CCW.• Connect an SSG to the antenna connector and set an SSG as : Level : 1.0 μV* (−107 dBm) Modulation : \pm 1 kHz Mod. depth : 30 %• Receiving	Rear panel	Connect an AC milli-voltmeter and distortion meter with 8 Ω load to the external [SP] jack.	Maximum AF output level	MAIN	L9, L10, L11, L49
	2	<ul style="list-style-type: none">• Operating frequency : 136.975 MHz• Receiving			Maximum AF output level		R59
SQUELCH	1	<ul style="list-style-type: none">• Enter the “Squelch adjustment mode”. 1): Program 118.000 MHz into memory channel.2): Turn power OFF.3): While pushing [SQL], [TS], [SCAN], turn power ON.• Connect an SSG to the antenna connector and set an SSG as : Level : [A110] 0.18 μV* (−122 dBm) [A110EURO] 0.25 μV* (−119 dBm) Modulation : OFF• Receiving	Front panel	Display	<ul style="list-style-type: none">• Verify the display indicates “sqADJ02”. NOTE: If the display shows other, turn [MAIN DIAL] to select “sqADJ02”.• Push the [SCAN] key to set the threshold level.		
	2	<ul style="list-style-type: none">• Set an SSG as : Level : 5.6 μV* (−92 dBm) Modulation : OFF			<ul style="list-style-type: none">• Verify the display indicates “sqADJ25”.• Push the [SCAN] key to set the tight level.		
	3	<ul style="list-style-type: none">• Turn power OFF to cancell the “Squelch adjustment mode”. <p>NOTE: Until turn power OFF, “Squelch adjustment mode” is not cancelled, and once pushing the [SCAN] key, display indicates “sqADJ02” (threshold level adjustment) or “sqADJ25” (tight level adjustment) repeatedly</p>					

*This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



SECTION 5 PARTS LIST

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION		
IC1	1140008780	S.IC	HD6433823A19D	Ⓒ
	1140009830	S.IC	HD6433823A80D	Ⓐ
	1130009110	S.IC	S-80942ANMP-DD6-T2	
	1130007110	S.IC	TC7W04FU (TE12L)	
	1190001600	S.IC	X25170S8I-2.5	
IC5	1130007570	S.IC	BU4094BCFV-E2	
Q1	1590000440	S.TRANSISTOR	DTA143ZUA T106	
Q2	1510000880	S.TRANSISTOR	2SA1622-6-TL	
Q3	1530003280	S.TRANSISTOR	2SC4211-6-TL	
Q4	1590001980	S.TRANSISTOR	XP4315 (TX)	
Q5	1590000440	S.TRANSISTOR	DTA143ZUA T106	
Q6	1590000680	S.TRANSISTOR	DTC114EUA T106	
Q7	1590000680	S.TRANSISTOR	DTC114EUA T106	
D5	1790001280	S.DIODE	MA111 (TX)	
D6	1750000130	S.DIODE	DA204U T107	
X1	6060000770	S.CERAMIC	EFOP3684E5	
L1	6200003960	S.COIL	MLF1608A 1R0K-T	Ⓒ
	6910011690	S.COIL	ACB1608M-600-T	Ⓐ
L2	6200003540	S.COIL	MLF1608D R22K-T	Ⓒ
	6910011690	S.COIL	ACB1608M-600-T	Ⓐ
L3	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
L4	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
L5	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
L6	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
L7	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
L8	6910011690	S.COIL	ACB1608M-600-T	Ⓐ only
R1	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)	
R2	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R3	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R4	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R5	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R6	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R7	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R8	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R9	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R10	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R11	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R12	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	
R13	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	
R14	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R15	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)	
R16	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)	
R17	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	
R18	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R19	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R20	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R21	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R22	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R23	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R24	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R26	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R27	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R28	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R29	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R30	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R31	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R32	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R33	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R34	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	
R36	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	
R37	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R38	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R41	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)	
R42	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)	
R43	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R44	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION		
R45	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
R46	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)	
R47	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	
C1	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C2	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	Ⓒ only
C3	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C4	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	Ⓒ only
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C6	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	Ⓒ only
C7	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C8	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
C9	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A	
C10	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A	
C11	4030008890	S.CERAMIC	C1608 JB 1C 273K-T-A	
C12	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C13	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C14	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C15	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
C16	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C17	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C19	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C20	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C21	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C22	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C23	4550006480	S.TANTALUM	TEMSVA 1C 475M-8L	
C24	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C25	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C26	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C27	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L	
C28	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C29	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C30	4030006890	S.CERAMIC	C1608 JF 1H 103Z-T-A	Ⓐ
	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	Ⓒ
C31	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C32	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C33	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C34	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C35	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C36	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C37	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	Ⓐ only
C38	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	Ⓐ only
J1	6510020510	S.CONNECTOR	FH12-40S-0.5SV	
J2	6450001470	CONNECTOR	95003-2881	
DS1	5030001740	LCD	HLC7453-012400	
DS2	5040002030	S.LED	CL-170Y-CD-T	
DS3	5040002030	S.LED	CL-170Y-CD-T	
DS4	5040002030	S.LED	CL-170Y-CD-T	
DS5	5040002030	S.LED	CL-170Y-CD-T	
DS6	5040002030	S.LED	CL-170Y-CD-T	
DS7	5040002030	S.LED	CL-170Y-CD-T	
S1	2250000420	ENCODER	EVQB2CFC620B	
SP1	2510000880	SPEAKER	SME-45W	
W1	7120000470	JUMPER	ERDS2T0	
W2	7120000470	JUMPER	ERDS2T0	
W3	7030003860	S.JUMPER	ERJ3GE JPW V	
W4	7030003860	S.JUMPER	ERJ3GE JPW V	
W6	8900007680	CABLE	OPC-741 (N:40 L:55)	
EP1	0910051554	PCB	B 5319D	Ⓒ
	0910054020	PCB	B 5674	Ⓐ
EP2	8930037960	LCD CONTACT	SRCN-1705 ZSS	

Ⓐ: [A110EURO], Ⓑ: [USA/-1] and [A110EURO], Ⓒ: [A110],
 Ⓓ: [GEN/-1] and [AUS]

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
IC2	1130008830	S.IC	TB31207AFN (EL)
IC4	1110003670	S.IC	BA3308F-T1
IC5	1110002750	S.IC	TA75S01F (TE85R)
IC6	1130004200	S.IC	TC4S66F (TE85R)
IC7	1180000800	S.IC	S-81350HG-KD-T1
IC11	1110002400	S.IC	NJM2107F-TE1
IC13	1130008370	S.IC	TC9260F (HR)
IC15	1110005010	S.IC	MC33063ADR2
IC16	1130006220	S.IC	TC4W53FU (TE12L)
IC17	1130006220	S.IC	TC4W53FU (TE12L) © only
IC18	1130006220	S.IC	TC4W53FU (TE12L) © only
IC19	1110003780	S.IC	NJM2902V-TE1
IC22	1130006220	S.IC	TC4W53FU (TE12L)
IC26	1180000420	S.IC	TA78L05F (TE12R)
IC28	1130004200	S.IC	TC4S66F (TE85R)
IC29	1180002010	S.REG	BA08FP-E2
IC30	1130004200	S.IC	TC4S66F (TE85R)
IC31	1110002750	S.IC	TA75S01F (TE85R)
IC37	1110003250	S.IC	TDA7233D (TDA7233D013TR)
IC40	1110003200	S.IC	TA31136FN (EL)
IC41	1110005030	IC	TA8208H
IC42	1110002750	S.IC	TA75S01F (TE85R)
IC43	1190001210	S.IC	HIP4081AIB-E2
IC44	1110005130	S.IC	μPC311G2 (E2)
IC45	1110005100	S.IC	NJM072BM-TE2
IC46	1110005010	S.IC	MC33063ADR2
IC47	1190001210	S.IC	HIP4081AIB-E2
IC48	1130006220	S.IC	TC4W53FU (TE12L)
IC50	1110002750	S.IC	TA75S01F (TE85R)
IC51	1110002750	S.IC	TA75S01F (TE85R)
Q1	1580000420	S.FET	3SK184-R (TX)
Q2	1580000420	S.FET	3SK184-R (TX)
Q3	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q4	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q5	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q6	1530002600	S.TRANSISTOR	2SC4215-O (TE85R)
Q7	1530003280	S.TRANSISTOR	2SC4211-6-TL
Q11	1530002280	S.TRANSISTOR	2SC4081 T107 S
Q12	1530002560	S.TRANSISTOR	2SC4403-3-TL
Q14	1530002560	S.TRANSISTOR	2SC4403-3-TL
Q15	1530002930	S.TRANSISTOR	2SC4228 (M) -T1 R45
Q16	1530002850	S.TRANSISTOR	2SC4116-BL (TE85R)
Q20	1560001100	S.FET	2SK3074 (TE12L)
Q21	1560001060	S.FET	2SK3075 (TE12L)
Q22	1530003280	S.TRANSISTOR	2SC4211-6-TL
Q23	1520000460	S.TRANSISTOR	2SB1132 T100 R
Q33	1590001980	S.TRANSISTOR	XP4315 (TX)
Q42	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q43	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q44	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q51	1590002840	FET	MRF137
Q52	1510000880	S.TRANSISTOR	2SA1622-6-TL
Q53	1590000980	S.TRANSISTOR	DTB123EK T147
Q58	1590001810	S.TRANSISTOR	XP1113 (TX)
Q59	1530002920	S.TRANSISTOR	2SC4226-T2 R25
Q68	1590001980	S.TRANSISTOR	XP4315 (TX)
Q69	1590000980	S.TRANSISTOR	DTB123EK T147
Q70	1590000980	S.TRANSISTOR	DTB123EK T147
Q71	1590001940	S.TRANSISTOR	DTC144EE TL
Q72	1590001980	S.TRANSISTOR	XP4315 (TX)
Q73	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q74	1520000200	S.TRANSISTOR	2SB798-T2 DK
Q75	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q77	1540000520	S.TRANSISTOR	2SD1819A (TX) R
Q78	1540000520	S.TRANSISTOR	2SD1819A (TX) R
Q79	1560000530	S.FET	2SK880-GR (TE85R)
Q80	1590000720	S.TRANSISTOR	DTA144EUA T106
Q81	1590000430	S.TRANSISTOR	DTC144EUA T106
Q82	1530002280	S.TRANSISTOR	2SC4081 T107 S
Q83	1530002380	S.TRANSISTOR	2SC4215-Y (TE85R)
Q84	1530002380	S.TRANSISTOR	2SC4215-Y (TE85R)
Q86	1590001980	S.TRANSISTOR	XP4315 (TX)
Q87	1560001120	S.FET	2SK2414-Z-E1
Q88	1560001120	S.FET	2SK2414-Z-E1
Q89	1590001170	S.TRANSISTOR	XP1501-(TX) .AB
Q90	1510001020	TRANSISTOR	2SA1471R
Q91	1560001120	S.FET	2SK2414-Z-E1
Q92	1560001120	S.FET	2SK2414-Z-E1
Q93	1560001120	S.FET	2SK2414-Z-E1
Q94	1590002870	S.FET	FW215-TL

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
Q96	1590000430	S.TRANSISTOR	DTC144EUA T106
Q97	1590000430	S.TRANSISTOR	DTC144EUA T106
Q98	1510000770	S.TRANSISTOR	2SA1586-GR (TE85R)
Q99	1530002850	S.TRANSISTOR	2SC4116-BL (TE85R)
Q100	1590002870	S.FET	FW215-TL
Q101	1590000430	S.TRANSISTOR	DTC144EUA T106
Q102	1530002280	S.TRANSISTOR	2SC4081 T107 S
D1	1750000760	S.DIODE	MA4PH224
D2	1750000760	S.DIODE	MA4PH224
D3	1750000510	S.DIODE	UM9401F
D4	1790001670	S.DIODE	RB706F-40T106
D5	1790001670	S.DIODE	RB706F-40T106
D6	1720000780	S.VARICAP	HVU350B TRF
D7	1720000780	S.VARICAP	HVU350B TRF
D8	1720000780	S.VARICAP	HVU350B TRF
D10	1790000620	S.DIODE	MA77 (TX)
D11	1790000620	S.DIODE	MA77 (TX)
D14	1790001330	S.ZENER	MA8036-L (TX)
D15	1790001280	S.DIODE	MA111 (TX)
D26	1790001340	S.DIODE	DE5SC6M-4061
D27	1790001280	S.DIODE	MA111 (TX)
D28	1750000580	S.DIODE	1SV307 (TPH3)
D29	1750000580	S.DIODE	1SV307 (TPH3)
D30	1750000580	S.DIODE	1SV307 (TPH3)
D31	1750000580	S.DIODE	1SV307 (TPH3)
D35	1730002460	S.ZENER	MA8330-M (TX)
D36	1790000700	DIODE	DSA3A1
D37	1720000780	S.VARICAP	HVU350B TRF
D38	1750000530	S.DIODE	1SV271 (TPH3)
D43	1750000260	S.DIODE	1SS352 (TPH3)
D44	1730002320	S.ZENER	MA8051-M (TX)
D50	1750000530	S.DIODE	1SV271 (TPH3)
D51	1750000530	S.DIODE	1SV271 (TPH3)
D52	1750000530	S.DIODE	1SV271 (TPH3)
D53	1790001250	S.DIODE	MA2S111-(TX)
D54	1790001250	S.DIODE	MA2S111-(TX)
D55	1790000670	S.DIODE	SB07-03C-TB
D56	1790001340	S.DIODE	DE5SC6M-4061
D57	1750000050	S.DIODE	1SS193 (TE85R)
D62	1790000670	S.DIODE	SB07-03C-TB
D64	1720000780	S.VARICAP	HVU350B TRF
D65	1720000780	S.VARICAP	HVU350B TRF
D66	1790000670	S.DIODE	SB07-03C-TB
F11	2010002400	S.MONOLITH	FL-306 (38.850 MHz)
F12	2010002410	S.MONOLITH	FL-307 (38.850 MHz)
F13	2020001540	CERAMIC	CFWM450D
F14	2020001660	CERAMIC	CFG450H
F15	4580000110	S.FILTER	ACF321825-223-T
F16	2040000500	LC	BNX-002-01
X1	6050010831	S.XTAL	CR-657A (12.8 MHz)
	6050010841	S.XTAL	CR-658A (12.8 MHz)
L2	6110001670	COIL	LA-253
L3	6110001740	COIL	LA-263
L4	6110001610	COIL	LA-244
L5	6110001610	COIL	LA-244
L6	6110001550	COIL	LA-235
L7	6170000230	COIL	LW-25
L8	6200003350	S.COIL	ELJNC R27K-F
L9	6150005000	S.COIL	LS-527
L10	6150005000	S.COIL	LS-527
L11	6150005000	S.COIL	LS-527
L12	6200002710	S.COIL	ELJFC 1R8K-F
L14	6200001630	S.COIL	ELJNC R10K-F
L15	6200003300	S.COIL	ELJNC R22K-F
L17	6200003290	S.COIL	ELJNC R12K-F
L19	6200005730	S.COIL	ELJRE 39NG-F
L20	6200002380	S.COIL	LQN 1A 56NJ04
L21	6200008400	S.COIL	0.35-1.6-6TL 36N
L22	6200005740	S.COIL	ELJRE 47NG-F
L23	6200008480	S.COIL	0.30-1.4-5TR 25N
L26	6200003590	S.COIL	EXCCL3225U1
L27	6200003350	S.COIL	ELJNC R27K-F
L31	6200007000	S.COIL	ELJRE 82NG-F
L33	6200004480	S.COIL	MLF1608D R82K-T

(A): [A110EURO], (B): [USA/-1] and [A110EURO], (C): [A110],
(D): [GEN/-1] and [AUS]

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
L35	6200008270	S.COIL	0.26-1.0-5TL 17N
L36	6140000670	COIL	LR-89
L39	6200004480	S.COIL	MLF1608D R82K-T
L40	6200009080	S.COIL	MC152-E558CN-100025=P3
L41	6200004850	S.COIL	MC152-E558CN-100024
L42	6200004480	S.COIL	MLF1608D R82K-T
L43	6200004480	S.COIL	MLF1608D R82K-T
L48	6110001600	COIL	LA-243
L49	6150005000	S.COIL	LS-527
L50	6110001730	COIL	LA-262
L52	6200004480	S.COIL	MLF1608D R82K-T
L53	6190001500	COIL	HK-08S070-1310
L54	6200007000	S.COIL	ELJRE 82NG-F
L55	6200003310	S.COIL	ELJFC R33M-F
L56	6200003310	S.COIL	ELJFC R33M-F
L57	6200003310	S.COIL	ELJFC R33M-F
L60	6200005010	S.COIL	NL 252018T-100J
L61	6190001510	COIL	HK-10S080-1210
L62	6190001500	COIL	HK-08S070-1310
L63	6190001500	COIL	HK-08S070-1310
L64	6190001500	COIL	HK-08S070-1310
L65	6200005010	S.COIL	NL 252018T-100J
L67	6200008760	S.COIL	0.26-0.9-9TR 30N
L68	6200009120	S.COIL	0.20-0.7-4TR 8.8N
L69	6200008270	S.COIL	0.26-1.0-5TL 17N
L70	6110001520	COIL	LA-232
L71	6110002110	COIL	LA-382
L72	6200002040	S.COIL	NL 252018T-101J
L73	6200002040	S.COIL	NL 252018T-101J
L75	6200004480	S.COIL	MLF1608D R82K-T
L77	6200009140	S.COIL	NL 252018T-6R8J
L78	6190001520	S.COIL	ZBFS5101-PT
L79	6190001520	S.COIL	ZBFS5101-PT
L80	6190001520	S.COIL	ZBFS5101-PT
L81	6190001520	S.COIL	ZBFS5101-PT
L82	6200004450	S.COIL	ELJFC 6R8M-F
L83	6200004880	S.COIL	ELJFC 3R3K-F
L84	6200004880	S.COIL	ELJFC 3R3K-F
L85	6200004450	S.COIL	ELJFC 6R8M-F
L86	6190001520	S.COIL	ZBFS5101-PT
L87	6200006990	S.COIL	ELJRE 56NG-F
L88	6200004480	S.COIL	MLF1608D R82K-T
R1	7030006070	S.RESISTOR	ERJ12YJ101U (100 Ω)
R2	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R3	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R9	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R11	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R12	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
R13	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R14	7030003770	S.RESISTOR	ERJ3GEYJ 564 V (560 kΩ)
R15	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R16	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R17	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R18	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R19	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R20	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R21	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R24	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R25	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R26	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R27	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R28	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R30	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R31	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R34	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R35	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R36	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R37	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R38	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R40	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R41	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R42	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R43	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R45	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R46	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R48	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R49	7030003750	S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ)
R50	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R59	7310004660	S.TRIMMER	EVM-2WSX80 B54 (503)

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
R61	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R62	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R63	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R64	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R65	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R66	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R67	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R68	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R69	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R70	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R71	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R72	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R73	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R74	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R75	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R76	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R77	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R78	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)
R79	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R80	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)
R85	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R86	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R87	7030003330	S.RESISTOR	ERJ3GEYJ 121 V (120 Ω)
R95	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R99	7030003270	S.RESISTOR	ERJ3GEYJ 390 V (39 Ω)
R101	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R108	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R110	7310004530	S.TRIMMER	EVM-2WSX80 B14 (103)
R111	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R112	7030003270	S.RESISTOR	ERJ3GEYJ 390 V (39 Ω)
R113	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R114	7510001100	S.THERMISTOR	NTCCM1608 4LH 104KC
R115	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R116	7030003770	S.RESISTOR	ERJ3GEYJ 564 V (560 kΩ)
R117	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R118	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)
R119	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R120	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R121	7310004610	S.TRIMMER	EVM-2WSX80 B15 (104)
R122	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R123	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R124	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R126	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R127	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R128	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R131	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R132	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R148	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R149	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R150	7310004530	S.TRIMMER	EVM-2WSX80 B14 (103)
R151	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R152	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R153	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R174	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R181	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R182	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R183	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R184	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R186	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R187	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R188	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R192	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R193	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R194	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
R208	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R209	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R211	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R212	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R218	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R219	7030000210	S.RESISTOR	MCR10EZJH 39 Ω (390)
R220	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R221	7030000520	S.RESISTOR	MCR10EZJH 15 kΩ
R223	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R224	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R225	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R226	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R228	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R229	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R230	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)

Ⓐ: [A110EURO], Ⓑ: [USA/-1] and [A110EURO], Ⓒ: [A110],
Ⓓ: [GEN/-1] and [AUS]

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
R231	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ⑧ only
R232	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R233	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R234	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R235	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R236	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R237	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R238	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R239	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R240	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R241	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R242	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R243	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R251	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R256	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
R267	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R273	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R280	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R281	7030003750	S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ)
R288	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R289	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R295	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)
R297	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R301	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R321	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R322	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R323	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R325	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R327	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R328	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R329	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)
R330	7510001000	S.THERMISTOR	TBPS1R154K475H5Q
R331	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R332	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)
R333	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R334	7030003770	S.RESISTOR	ERJ3GEYJ 564 V (560 kΩ)
R335	7030004050	S.RESISTOR	ERJ3GEYJ 1R0 V (1 Ω)
R336	7310004590	S.TRIMMER	EVM-2WSX80 B13 (102)
R338	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R340	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)
R342	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R355	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R356	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R357	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R358	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R359	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R361	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R362	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R363	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R364	7030003810	S.RESISTOR	ERJ3GEYJ 125 V (1.2 MΩ)
R365	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R366	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R367	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R368	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R369	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R370	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R371	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R372	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R373	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R374	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R375	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R376	7030003770	S.RESISTOR	ERJ3GEYJ 564 V (560 kΩ)
R377	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R378	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R379	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R380	7030006060	S.RESISTOR	ERJ12YJ100U (10 Ω)
R381	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R383	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R386	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R387	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R388	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R389	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
R390	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)
R391	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R392	7310004670	S.TRIMMER	EVM-2WSX80 B55 (504)
R393	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R394	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R395	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R396	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R397	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R398	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R399	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
R400	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R401	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R403	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R404	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R405	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R406	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R407	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R408	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R409	7030004890	S.RESISTOR	ERJ3GEYF 434 V (430 kΩ)
R410	7030004860	S.RESISTOR	ERJ3GEYF 184 V (180 kΩ)
R411	7030005260	S.RESISTOR	ERJ3GEYF 394 V (390 kΩ)
R412	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R413	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R414	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R415	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R417	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R418	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R419	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R420	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R422	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R423	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R424	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R425	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R426	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R427	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R428	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R429	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R430	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
R431	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ)
	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R432	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R433	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R434	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R435	7030000410	S.RESISTOR	MCR10EZHH 1.8 kΩ
R436	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R437	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R438	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R439	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R440	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R441	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R442	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R443	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R444	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R445	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)
R446	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R447	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R448	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)
R449	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R450	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R451	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R452	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R453	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R454	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R455	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R456	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R457	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R458	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R459	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R460	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R461	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R462	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R463	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R464	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R465	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R466	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R467	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R468	7030006120	S.RESISTOR	ERJ1WYJ4R7U (4.7 Ω)
R469	7030006120	S.RESISTOR	ERJ1WYJ4R7U (4.7 Ω)
R470	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R471	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R472	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R473	7030001160	S.RESISTOR	MCR50JZHJ 180 Ω (181)
R474	7030004040	S.RESISTOR	ERJ3GEYJ 4R7 V (4.7 Ω)
R475	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R476	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R478	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R479	7510001100	S.THERMISTOR	NTCCM1608 4LH 104KC
R484	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R485	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ① only

①: [A110EURO], ②: [USA/-1] and [A110EURO], ③: [A110],
④: [GEN/-1] and [AUS]

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION
C1	4030011210	S.CERAMIC GRM42-6 CH 330J 500PT
C2	4030011070	S.CERAMIC GRM42-6 CH 050C 500PT
C3	4030011230	S.CERAMIC GRM42-6 CH 390J 500PT
C4	4030011030	S.CERAMIC GRM42-6 CK 1R5C 500PT
C5	4030011180	S.CERAMIC GRM42-6 CH 220J 500PT
C6	4030017200	S.CERAMIC GHM1030 R 102K 630PT
C7	4030011180	S.CERAMIC GRM42-6 CH 220J 500PT
C8	4030007080	S.CERAMIC C1608 CH 1H 390J-T-A
C9	4030007040	S.CERAMIC C1608 CH 1H 180J-T-A
C10	4030007100	S.CERAMIC C1608 CH 1H 560J-T-A
C11	4030017200	S.CERAMIC GHM1030 R 102K 630PT
C12	4030011180	S.CERAMIC GRM42-6 CH 220J 500PT
C13	4030011020	S.CERAMIC GRM42-6 CK 010C 500PT
C14	4030011020	S.CERAMIC GRM42-6 CK 010C 500PT
C15	4030011180	S.CERAMIC GRM42-6 CH 220J 500PT
C16	4030011120	S.CERAMIC GRM42-6 CH 100D 500PT
C17	4030011120	S.CERAMIC GRM42-6 CH 100D 500PT
C18	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C19	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C20	4030017200	S.CERAMIC GHM1030 R 102K 630PT
C21	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C22	4030007050	S.CERAMIC C1608 CH 1H 220J-T-A
C23	4030009560	S.CERAMIC C1608 CH 1H R75B-T-A
C24	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C25	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C26	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C27	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C28	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C29	4030007060	S.CERAMIC C1608 CH 1H 270J-T-A
C30	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C31	4030009500	S.CERAMIC C1608 CH 1H 0R5B-T-A
C32	4030007060	S.CERAMIC C1608 CH 1H 270J-T-A
C33	4030009530	S.CERAMIC C1608 CH 1H 030B-T-A
C34	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C36	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C37	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C39	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C40	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C41	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C42	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C43	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C44	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C46	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C47	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C48	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C50	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C51	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C52	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C53	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C54	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C55	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C56	4550006560	S.TANTALUM ECST1CY225R
C58	4510004440	S.ELECTROLYTIC ECEV1HA010SR
C59	4550006360	S.TANTALUM ECST1VY104R
C60	4550006140	S.TANTALUM ECST1EY474R
	4550006150	S.TANTALUM ECST1CY105R
C61	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C62	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C63	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C68	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C69	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C70	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C71	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C72	4030009990	S.CERAMIC C1608 CH 1H 200J-T-A
C73	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C74	4030007040	S.CERAMIC C1608 CH 1H 180J-T-A
C75	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C77	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C78	4030009990	S.CERAMIC C1608 CH 1H 200J-T-A
C82	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C85	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C87	4030007030	S.CERAMIC C1608 CH 1H 150J-T-A
C91	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C92	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C95	4030007060	S.CERAMIC C1608 CH 1H 270J-T-A
C96	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C97	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C98	4030007030	S.CERAMIC C1608 CH 1H 150J-T-A
C99	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C100	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C101	4030007070	S.CERAMIC C1608 CH 1H 330J-T-A
C102	4030007050	S.CERAMIC C1608 CH 1H 220J-T-A

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION
C103	4030007100	S.CERAMIC C1608 CH 1H 560J-T-A
C110	4030012600	S.CERAMIC C2012 JB 1A 105M-T-A
C112	4550006220	S.TANTALUM TEMSVA 0J 156M-8L
C113	4510004630	S.ELECTROLYTIC ECEV1CA100SR
C114	4550006140	S.TANTALUM ECST1EY474R
C115	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C116	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C117	4030009970	S.CERAMIC C1608 JB 1H 182K-T-A
C118	4030009630	S.CERAMIC C1608 JB 1H 822K-T-A
C119	4030007130	S.CERAMIC C1608 CH 1H 101J-T-A
C120	4030012610	S.CERAMIC C2012 JB 1C 474K-T-A
C121	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C122	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C123	4550006220	S.TANTALUM TEMSVA 0J 156M-8L
C124	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C126	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C127	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C128	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C129	4510007460	S.ELECTROLYTIC 10 SV 22M
C130	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C131	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C132	4550006710	S.TANTALUM ECST1AX226R
C133	4550006140	S.TANTALUM ECST1EY474R
C134	4550006710	S.TANTALUM ECST1AX226R
C135	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C138	4510004630	S.ELECTROLYTIC ECEV1CA100SR
C139	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C140	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C141	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C148	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C149	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C153	4030012600	S.CERAMIC C2012 JB 1A 105M-T-A
C154	4030007050	S.CERAMIC C1608 CH 1H 220J-T-A
C156	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C164	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
C165	4030007060	S.CERAMIC C1608 CH 1H 270J-T-A
C167	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C168	4510005950	S.ELECTROLYTIC ECEV1HA0R1SR
C170	4030012600	S.CERAMIC C2012 JB 1A 105M-T-A
C175	4550006540	S.TANTALUM ECST1CY475R
C177	4550006300	S.TANTALUM ECST1AY475R
C188	4030007070	S.CERAMIC C1608 CH 1H 330J-T-A
C189	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C190	4030009500	S.CERAMIC C1608 CH 1H 0R5B-T-A
C192	4030007010	S.CERAMIC C1608 CH 1H 100D-T-A
	4030007030	S.CERAMIC C1608 CH 1H 150J-T-A
C193	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C195	4030007040	S.CERAMIC C1608 CH 1H 180J-T-A
	4030009990	S.CERAMIC C1608 CH 1H 200J-T-A
C206	4510006670	S.ELECTROLYTIC ECEV1CA471P
C208	4030007130	S.CERAMIC C1608 CH 1H 101J-T-A
C209	4030012610	S.CERAMIC C2012 JB 1C 474K-T-A
C211	4510007320	ELECTROLYTIC 50 YXG 470M
C212	4510007320	ELECTROLYTIC 50 YXG 470M
C213	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C214	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C217	4030007080	S.CERAMIC C1608 CH 1H 390J-T-A
C218	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C220	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C224	4030011600	S.CERAMIC C1608 JB 1C 104KT-N
C226	4550005980	S.TANTALUM TEMSVA 1A 475M-8L
C228	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C229	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C230	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C231	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C232	4030010210	S.CERAMIC C3216 JB 1C 105M-T-A
C233	4030012600	S.CERAMIC C2012 JB 1A 105M-T-A
C234	4030012600	S.CERAMIC C2012 JB 1A 105M-T-A
C235	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C241	4030011190	S.CERAMIC GRM42-6 CH 270J 500PT
C242	4030017080	S.CERAMIC GRH111 CH 820J 500PT
C249	4030006860	S.CERAMIC C1608 CH 1H 102K-T-A
C250	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C251	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C253	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C255	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A
C256	4030008880	S.CERAMIC C1608 JB 1C 223K-T-A
C257	4030009970	S.CERAMIC C1608 JB 1H 182K-T-A
C258	4030006900	S.CERAMIC C1608 JB 1E 103K-T-A
C259	4030008860	S.CERAMIC C1608 JB 1C 153K-T-A
C260	4030006860	S.CERAMIC C1608 JB 1H 102K-T-A

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Ⓐ: [A110EURO], Ⓑ: [USA-1] and [A110EURO], Ⓒ: [A110],
Ⓓ: [GEN/-1] and [AUS]

S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
C261	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C262	4030011340	S.CERAMIC	C1608 CH 1H 471J-T-A
C263	4030012660	S.CERAMIC	C1608 JB 1C 683K-T-N
C264	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
C265	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C266	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C267	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C268	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C277	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C279	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C286	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
C288	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C289	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C290	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C292	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C293	4030010760	S.CERAMIC	C1608 CH 1H 331J-T-A
C295	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C298	4510006660	S.ELECTROLYTIC	ECEV1HA330P
C299	4030006890	S.CERAMIC	C1608 JF 1H 103Z-T-A
C300	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C301	4510004540	S.ELECTROLYTIC	ECEV0JA470SR
C308	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C309	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C312	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C313	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C314	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C315	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C316	4030011180	S.CERAMIC	GRM42-6 CH 220J 500PT
C317	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C318	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C319	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C320	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C321	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C322	4510005630	S.ELECTROLYTIC	ECEV1EA330SP
C323	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C324	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C325	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C326	4550006560	S.TANTALUM	ECST1CY225R
C327	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C328	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C329	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C330	4030011110	S.CERAMIC	GRM42-6 CH 090D 500PT
C331	4030011160	S.CERAMIC	GRM42-6 CH 150J 500PT
C332	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C333	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C337	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C338	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C339	4030008470	S.CERAMIC	C1608 JB 1H 272K-T-A
C340	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C341	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C342	4030006950	S.CERAMIC	C1608 CH 1H 040C-T-A
C343	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C344	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
C346	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C347	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C348	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C349	4030008650	S.CERAMIC	C1608 JB 1H 332K-T-A
C353	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C354	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C358	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C359	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C360	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C361	4030006950	S.CERAMIC	C1608 CH 1H 040C-T-A
C362	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C366	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C374	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C378	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A
C379	4550006300	S.TANTALUM	ECST1AY475R
C380	4550006150	S.TANTALUM	ECST1CY105R
C381	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C382	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C383	4550006390	S.TANTALUM	TEMSVA 1C 335M-8L
C384	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C385	4030008900	S.CERAMIC	C1608 JB 1C 333K-T-A
C387	4510006670	S.ELECTROLYTIC	ECEV1CA471P
C388	4510005750	S.ELECTROLYTIC	ECEV1EA220SP
C389	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C390	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C391	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T-A
C392	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C395	4030006950	S.CERAMIC	C1608 CH 1H 040C-T-A

Ⓐ: [A110EURO], Ⓑ: [USA/-1] and [A110EURO], Ⓒ: [A110],
 Ⓓ: [GEN/-1] and [AUS]

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
C396	4030012610	S.CERAMIC	C2012 JB 1C 474K-T-A
C397	4030012610	S.CERAMIC	C2012 JB 1C 474K-T-A
C398	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A
C399	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C400	4510004640	S.ELECTROLYTIC	ECEV1CA470SP
C401	4510004640	S.ELECTROLYTIC	ECEV1CA470SP
C402	4030008980	S.CERAMIC	C2012 JB 1C 154K-T-A
C403	4030012600	S.CERAMIC	C2012 JB 1A 105M-T-A
C404	4030012610	S.CERAMIC	C2012 JB 1C 474K-T-A
C405	4030009350	S.CERAMIC	C1608 CH 1H 3R5B-T-A
C406	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C407	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
C409	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C410	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C413	4550006160	S.TANTALUM	ECST1CY155R
C415	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
C416	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C417	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C418	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C419	4030001170	S.CERAMIC	GRM42-6 B 102K 50PT
C420	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C421	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C422	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C423	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A
C424	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C425	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C426	4030009990	S.CERAMIC	C1608 CH 1H 200J-T-A
C427	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C428	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C429	4030009550	S.CERAMIC	C1608 CH 1H 2R5B-T-A
C430	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C431	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C433	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
C434	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C436	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C437	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C438	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C439	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
C441	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C442	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C443	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C444	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C445	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C446	4030010760	S.CERAMIC	C1608 CH 1H 331J-T-A
C447	4030012600	S.CERAMIC	C2012 JB 1A 105M-T-A
C448	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C449	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C450	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
	4030010040	S.CERAMIC	C1608 JB 1H 561K-T-A
C452	4510007230	ELECTROLYTIC	50 YXG 1000UF
C453	4510005870	S.ELECTROLYTIC	ECEV1HA3R3SR
C454	4550003210	S.TANTALUM	TEMSVD2 1D 226M-12R
C455	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C456	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C457	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C462	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C463	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C468	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C472	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C500	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C501	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C502	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C503	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
C504	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C505	4510007320	ELECTROLYTIC	50 YXG 470M
C506	4510004420	S.ELECTROLYTIC	ECEV0JV330SR
C507	4030008960	S.CERAMIC	C2012 JB 1C 104K-T-A
C508	4030010020	S.CERAMIC	C1608 JB 1H 122K-T-A
C509	4030010020	S.CERAMIC	C1608 JB 1H 122K-T-A
C512	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C513	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C514	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C515	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C516	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C517	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C518	4030016990	S.CERAMIC	GRM42-2 R 105K 50PT
C519	4030017190	S.CERAMIC	GHM1030 R 471K 630PT
C520	4030011280	S.CERAMIC	C1608 CH 1H 271J-T-A
C521	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
	4510005860	S.ELECTROLYTIC	ECEV1HA2R2SR
C522	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A

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S.=Surface mount

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
C523	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A
C524	4030008550	S.CERAMIC	C2012 JF 1H 473Z-T-A
C525	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C529	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A
C530	4030008770	S.CERAMIC	C1608 JB 1H 562K-T-A
C531	4510007390	ELECTROLYTIC	50 YK 220M
C533	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
C535	4510005520	ELECTROLYTIC	50 MV 330 HC
C536	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C537	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C538	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C539	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C540	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C541	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C542	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C543	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C544	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C545	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C546	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C547	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C548	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C549	4030016990	S.CERAMIC	GRM42-2 R 105K 50PT
C550	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C551	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C552	4030009530	S.CERAMIC	C1608 CH 1H 030B-T-A
C553	4550006540	S.TANTALUM	ECST1CY475R
C554	4030017190	S.CERAMIC	GHM1030 R 471K 630PT
C555	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C556	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C557	4030004750	S.CERAMIC	C2012 JB 1H 103K-T-A
C558	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C559	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C560	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C561	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C562	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C563	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C564	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C565	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C566	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C567	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C568	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C569	4030004720	S.CERAMIC	C2012 JB 1H 102K-T-A
C570	4030004710	S.CERAMIC	C2012 JB 1H 471K-T-A
C571	4030005030	S.CERAMIC	C2012 CH 1H 221J-T-A
C572	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
C573	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C574	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C575	4030017070	S.CERAMIC	GRM42-2 R 474K 50PT
C576	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C577	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
J5	6510020510	S.CONNECTOR	FH12-40S-0.5SV
J6	6510009400	CONNECTOR	B7B-ZR
J7	6450000140	CONNECTOR	HSJ0807-01-010
T1	5920000750	TRANSFORMER ST-82 (P)	
W1	8900009210	CABLE	OPC-905
W2	7120000470	JUMPER	ERDS2T0
W3	7120000470	JUMPER	ERDS2T0
W4	7120000470	JUMPER	ERDS2T0
W15	7030003860	S.JUMPER	ERJ3GE JPW V
W25	7030003860	S.JUMPER	ERJ3GE JPW V
W27	7030003860	S.JUMPER	ERJ3GE JPW V
W28	7030003860	S.JUMPER	ERJ3GE JPW V
W29	7030007150	S.JUMPER	MCR50JZHJ JPW (000)
W32	7030003860	S.JUMPER	ERJ3GE JPW V
W33	7030003860	S.JUMPER	ERJ3GE JPW V
W34	7030003970	S.JUMPER	MCR18EZHJ JPW
W35	7030007150	S.JUMPER	MCR50JZHJ JPW (000)
W38	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
W39	7030003970	S.JUMPER	MCR18EZHJ JPW
W40	7030003970	S.JUMPER	MCR18EZHJ JPW
W41	7030003860	S.JUMPER	ERJ3GE JPW V

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
W42	7030003860	S.JUMPER	ERJ3GE JPW V
W43	7030003860	S.JUMPER	ERJ3GE JPW V
W44	7030003860	S.JUMPER	ERJ3GE JPW V
W46	7030003860	S.JUMPER	ERJ3GE JPW V
W47	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
W48	7030003970	S.JUMPER	MCR18EZHJ JPW
W49	7030007150	S.JUMPER	MCR50JZHJ JPW (000)
W51	7030003860	S.JUMPER	ERJ3GE JPW V
W52	7030003970	S.JUMPER	MCR18EZHJ JPW
W53	7030003970	S.JUMPER	MCR18EZHJ JPW
W54	7030003970	S.JUMPER	MCR18EZHJ JPW
W71	7030003860	S.JUMPER	ERJ3GE JPW V
WS1	8970023550	E.OTHER	AX2270 J LEAD SET (2) /MA
EP1	0910051547	PCB	B 5318G
	0910053661	PCB	B 5531A
EP2	6910013270	BEAD	2643-625002
EP3	9040901901	TUBE	IRRAX 0.7 (d) L=12 mm
EP4	9040901901	TUBE	IRRAX 0.7 (d) L=12 mm
EP5	6910010220	BEAD	HF70BB3.5X5X1.3

Ⓐ: [A110EURO], Ⓑ: [USA-1] and [A110EURO], Ⓒ: [A110],
Ⓓ: [GEN-1] and [AUS]

S.=Surface mount

SECTION 6

MECHANICAL PARTS AND DISSASSEMBLY

[CHASSIS PARTS]

REF. NO	ORDER NO.	DESCRIPTION	QTY.
J1	6510004880	Connector MR-DS-E 01	1
MP1	8010017872	2270 chassis-2 42-324	1
MP2	8810008660	Screw PH BT M3 X 8 NI-ZU	8
MP3	8810008490	Setscrew H M2.6 X 8 NI	2
MP4	8810008660	Screw PH BT M3 X 8 NI-ZU	2
MP5	8810009130	Screw PH BT M3 X12 NI-ZU	4
MP6	8930050080	2270 IC clip	1
MP7	8820000870	1705 cap screw	3
MP8	8110006941	1705 cover (B)-1 43-224	1
MP9	8930049650	Thermal sheet (H)	1
MP10	8930036771	1705 main seal-1	1
MP11	8930050130	2270 jack sheet	1
MP12	8310027320	Display seal (U) [USA/-1] only	1
MP13	8930051440	2270 thermal sheet TC-200TKC	1
MP18	8930051830	2270 B-sheet	1
MP19	8930051820	2270 A-sponge	1
MP20	8930052930	Theramtl sheet (P) (TC-500TK)	1

[MAIN UNIT]

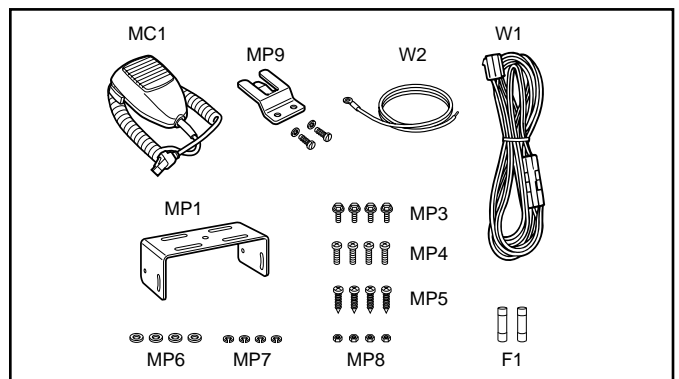
REF. NO	ORDER NO.	DESCRIPTION	QTY.
J7	6450000140	Connector HSJ0807-01-010	1
W1	8900009210	Cable OPC-905	1
MP1	8510011660	2088 VCO case	1
MP2	8930013590	Alumi sheet N	1
MP3	8510013920	2270 IF shield	1
MP4	8510012950	2270 A-shield plate	1
MP5	8510012920	2270 B-shield plate	1
MP6	8510012910	2270 rug	1
MP7	8930051860	2270 A-sheet	1
MP8	8510012960	2270 C-shield plate	1
MP9	8950000180	Cable tie -80	1
MP13	8510013330	2270 S-case [A110EURO] only	1
MP14	8510013320	2270 S-cover [A110EURO] only	1
MP15	8930001810	Sponge (A) [A110EURO] only	1
MP16	8510005530	VCO shield plate (B) SX644 [A110EURO] only	1
MP17	8930049620	Ferrite sheet (H) [A110EURO] only	1
MP18	8930054360	2270 sheet [A110EURO] only	1

[FRONT UNIT]

REF. NO	ORDER NO.	DESCRIPTION	QTY.
J2	6450001470	Connector 95003-2881	1
DS1	5030001740	LCD HLC7453-012400	1
EP2	8930037960	LCD contact SRCN-1705 ZSS	1
SP1	2510000880	Speaker SME-45W	1
MP1	8210012610	1705 reflector	1
MP2	8930036830	1705 LCD holder	1
MP3	8930036820	1705 LCD filter	1
MP4	8930037660	1705 LCD sheet	1
MP6	8210012600	1705 front panel assembly	1
MP7	8930049760	1705 front key (C)	1
MP8	8610009840	Knob N234	1
MP10	8810009130	Screw PH B0 M3 X 12 NI-ZU	3
MP14	8930053500	2270 earth plate [A110EURO] only	1
MP15	8930055320	2270 A-earth plate [A110EURO] only	1

[ACCESSORIES]

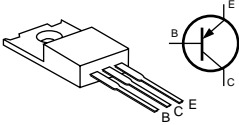
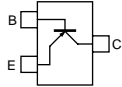
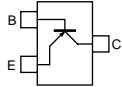
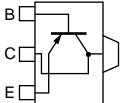
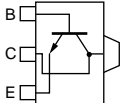
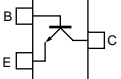
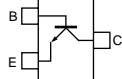
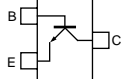
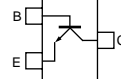
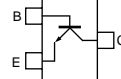
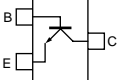
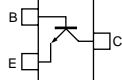
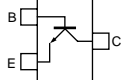
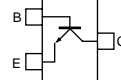
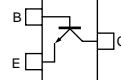
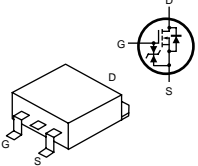
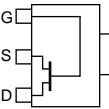
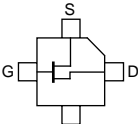
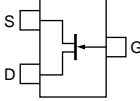
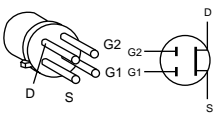
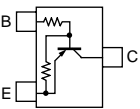
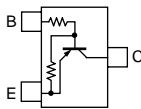
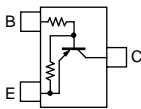
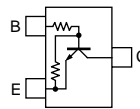
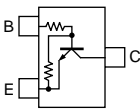
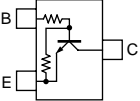
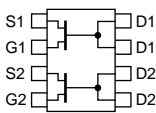
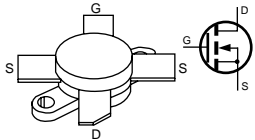
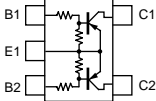
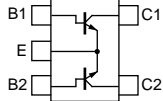
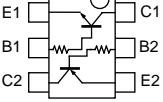
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F1	5210000070	Fuse FGB 10A	2
W1	8900003741	DC power cable OPC-344 [A110]	1
	8900010730	DC power cable OPC-1091 [A110EURO]	1
W2	8900000730	Microphone (HANG) cable OPC-049	1
MC1	0800005780	Microphone HM-100N	1
MP1	8010016730	150 mounting bracket	1
MP3	8820000530	Flange bolt M4 X 8 NI	4
MP4	8810000470	Screw PH M5 X 12 (+/-)	4
MP5	8810005840	Screw PH A0 M5 X 20	4
MP6	8850000150	Flat washer M5 NI BS	4
MP7	8850000390	Spring washer M5	4
MP8	8830000120	Nut M5	4
MP9	6910004210	731 microphone hanger set (incl. 2 screws, 2 washers)	1







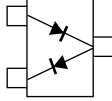





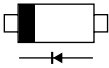
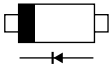
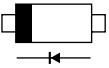
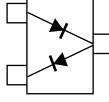

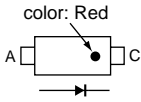
Screw abbreviations A0,B0,BT: Self-tapping
PH: Pan head NI: Nickel
NI-ZU: Nickel-Zinc

SECTION 7 SEMI-CONDUCTOR INFORMATION

• TRANSISTORS AND FET'S

2SA1471R 	2SA1586 GR (Symbol: SG) 	2SA1622 6 TL (Symbol: M6) 	2SB1132 T100 R (Symbol: BART) 	2SB798 T2 DK (Symbol: DK) 
2SC4081 T107 R (Symbol: BR) 	2SC4081 T107 S (Symbol: BS) 	2SC4116 BL (Symbol: LL) 	2SC4211-6-TL (Symbol: L6) 	2SC4215 O (Symbol: QO) 
2SC4215 Y (Symbol: QY) 	2SC4226 T2 R25 (Symbol: R25) 	2SC4228(M)-T1 R45 (Symbol: R45) 	2SC4403 3 TL (Symbol: LY3) 	2SD1819 A R (Symbol: LG) 
2SK2414-Z-E1 	2SK3074 (Symbol: UW) 	2SK3075 (Symbol: UB F) 	2SK880 GR (Symbol: XG) 	3SK184 R (Symbol: 3R R) 
DTA143ZUA T106 (Symbol: 113) 	DTA144EUA T106 (Symbol: 16) 	DTB123 EK T147 (Symbol: F12) 	DTC114EUA T106 (Symbol: 24) 	DTC144 EE TL (Symbol: 26) 
DTC144EUA T106 (Symbol: 26) 	FW215-TL (Symbol: W215) 	MRF137 (Symbol: MRF133) 	XP1113 (Symbol: 7L) 	XP1501 AB (Symbol: 5R) 
XP4315 (Symbol: CB) 				

• DIODES

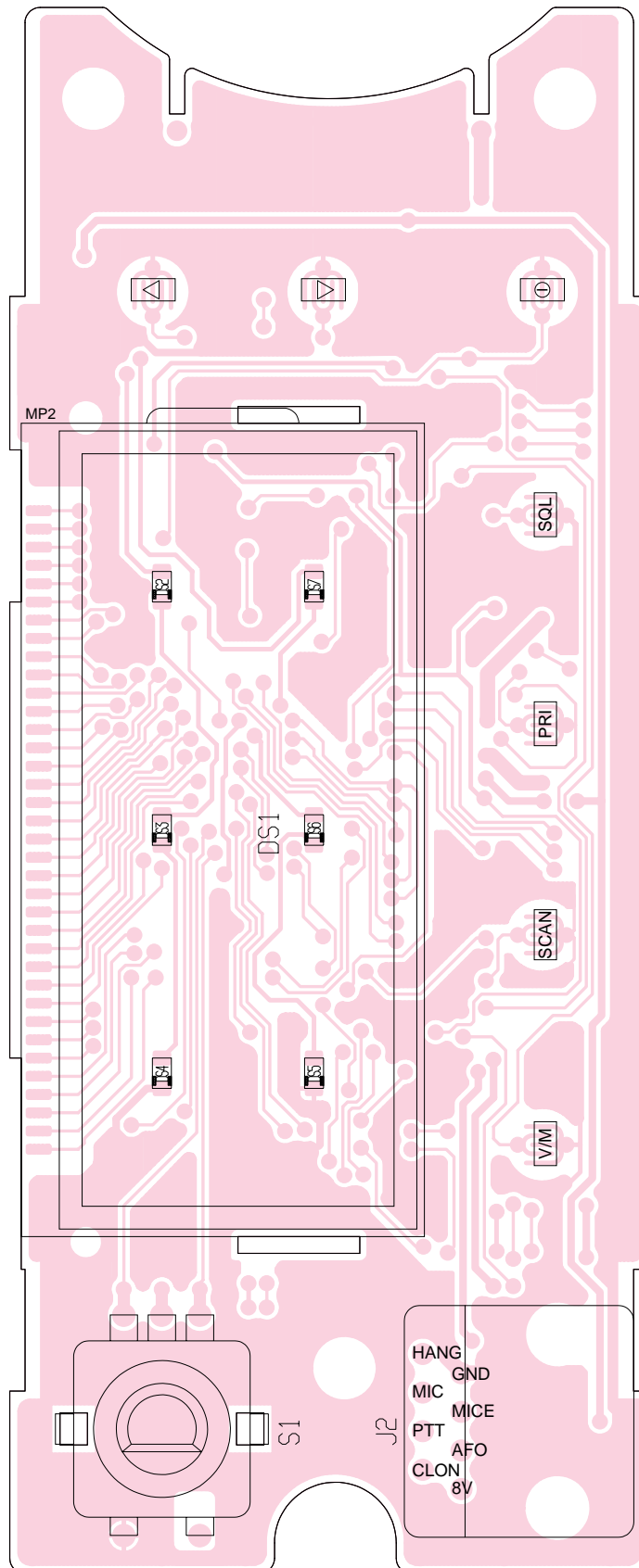
1SS193 (Symbol: F3) 	1SS352 (Symbol: C1) 	1SV271 (Symbol: TG) 	1SV307 (Symbol: TX) 	DA204 U T107 (Symbol: K) 
DE5SC6M-4061 (Symbol: 5SC6) 	HVU350B TRF (Symbol: BO) 	MA111 (Symbol: 1B) 	MA2S111 (Symbol: A) 	MA77 (Symbol: 4B) 
MA8036 L (Symbol: 3_6) 	MA8051 M (Symbol: 5-1) 	MA8330 M (Symbol: 33-) 	RB706F-40 T106 (Symbol: 3J) 	SB07-03C-TB (Symbol: J) 
MA4PH224 				

SECTION 8 BOARD LAYOUTS

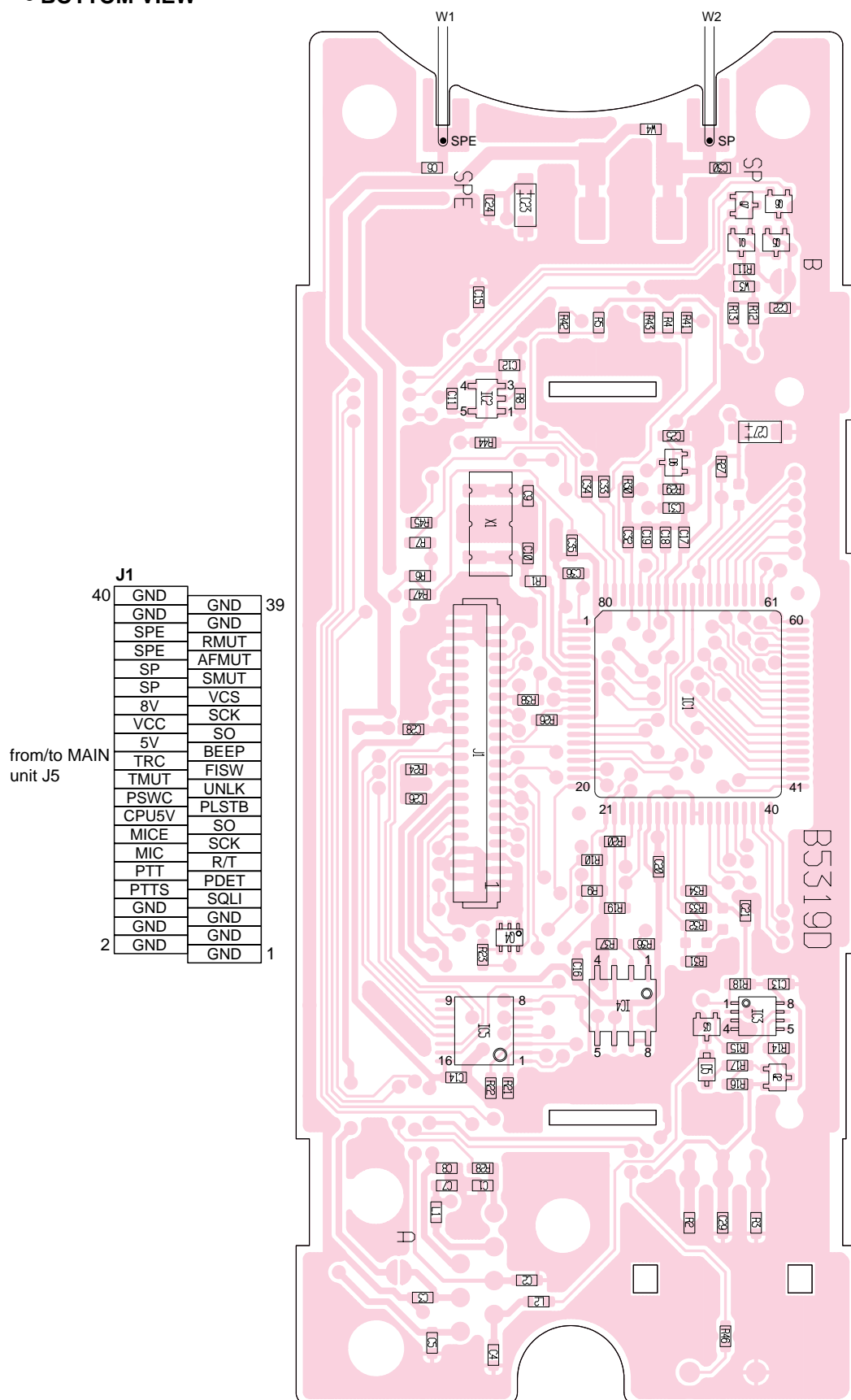
8-1 FRONT UNIT (IC-A110)

• TOP VIEW

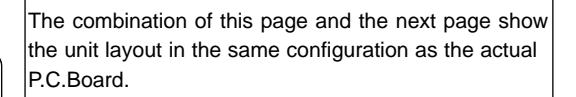
The combination of this page and the next page show the unit layout in the same configuration as the actual P.C.Board.



- **BOTTOM VIEW**

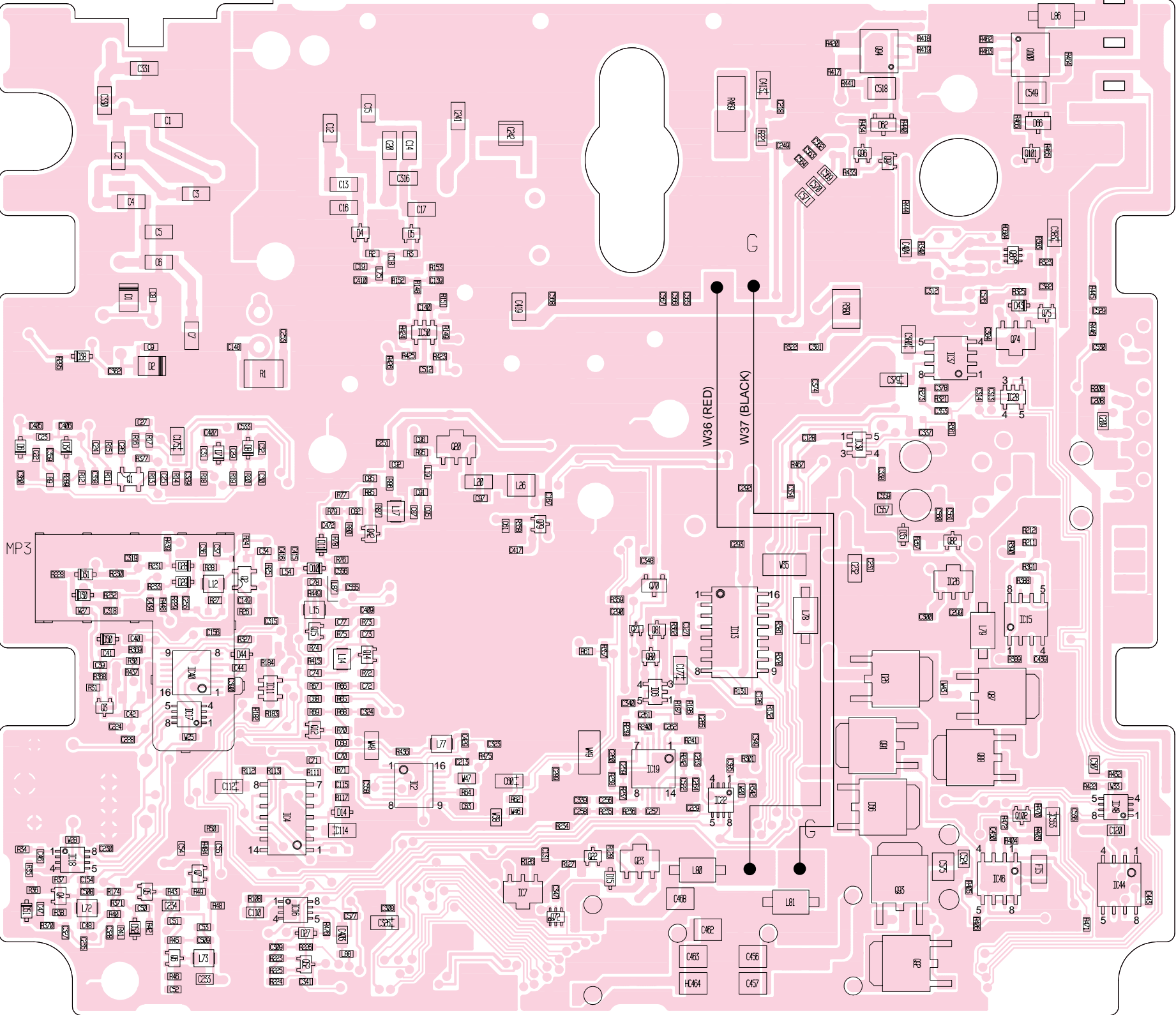


- TOP VIEW



8 - 3

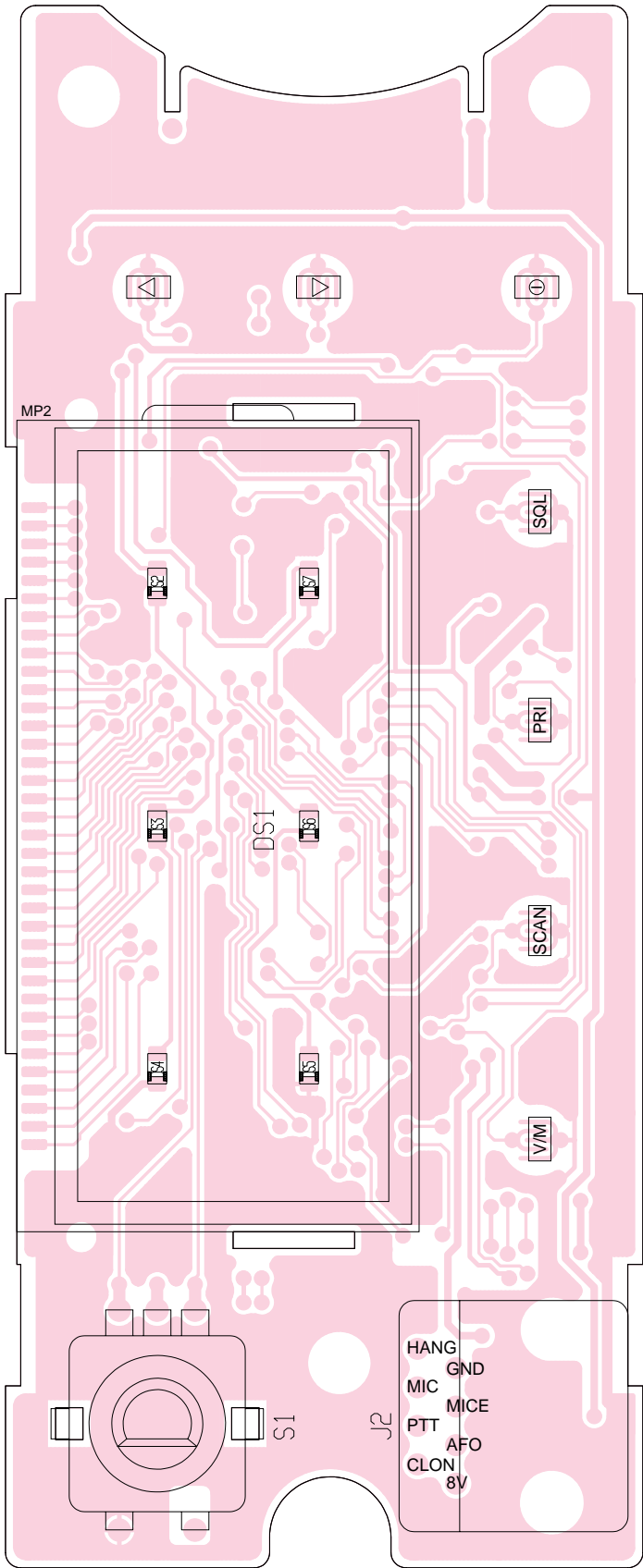
● BOTTOM VIEW



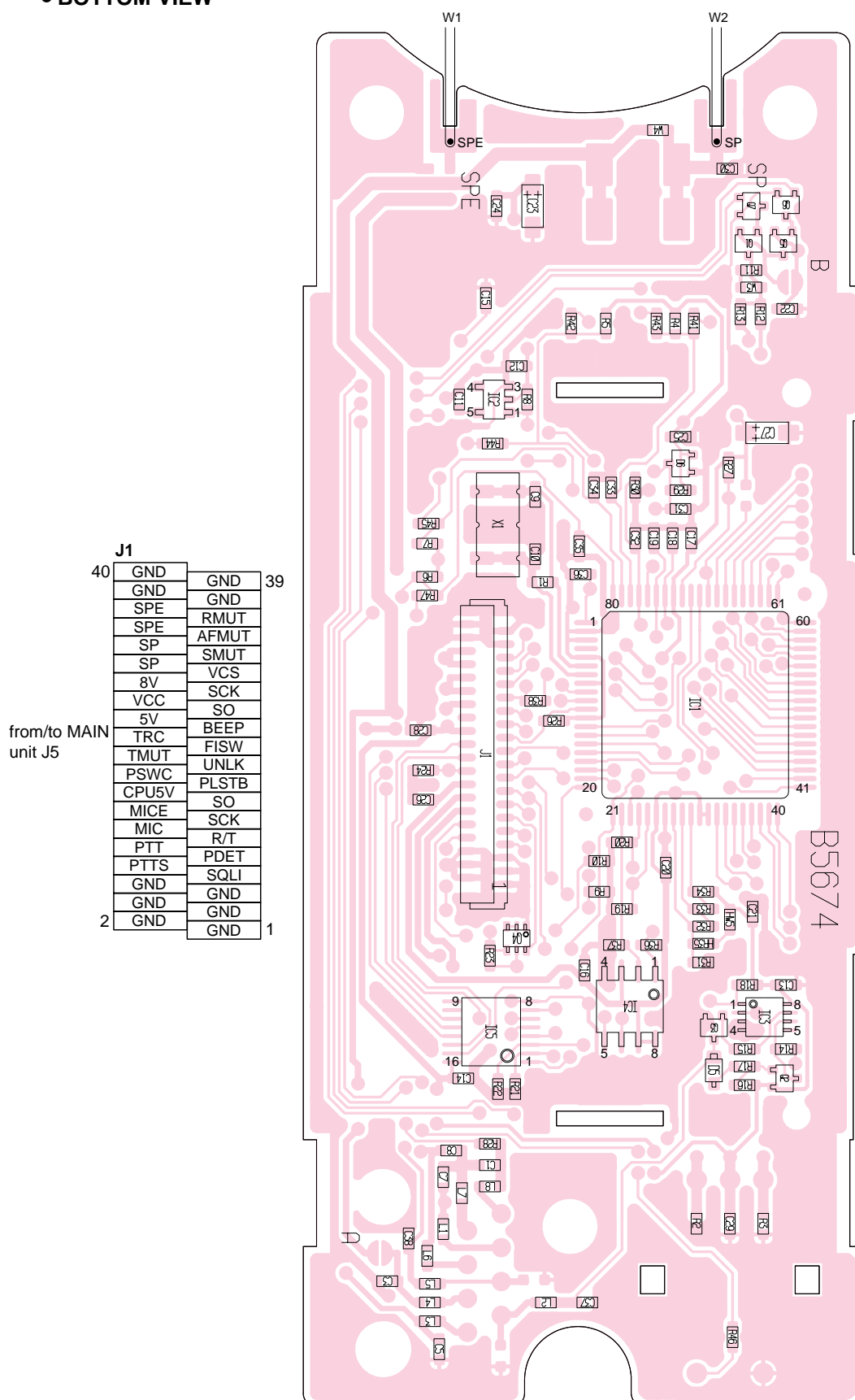
8-3 FRONT UNIT (IC-A110EURO)

• TOP VIEW

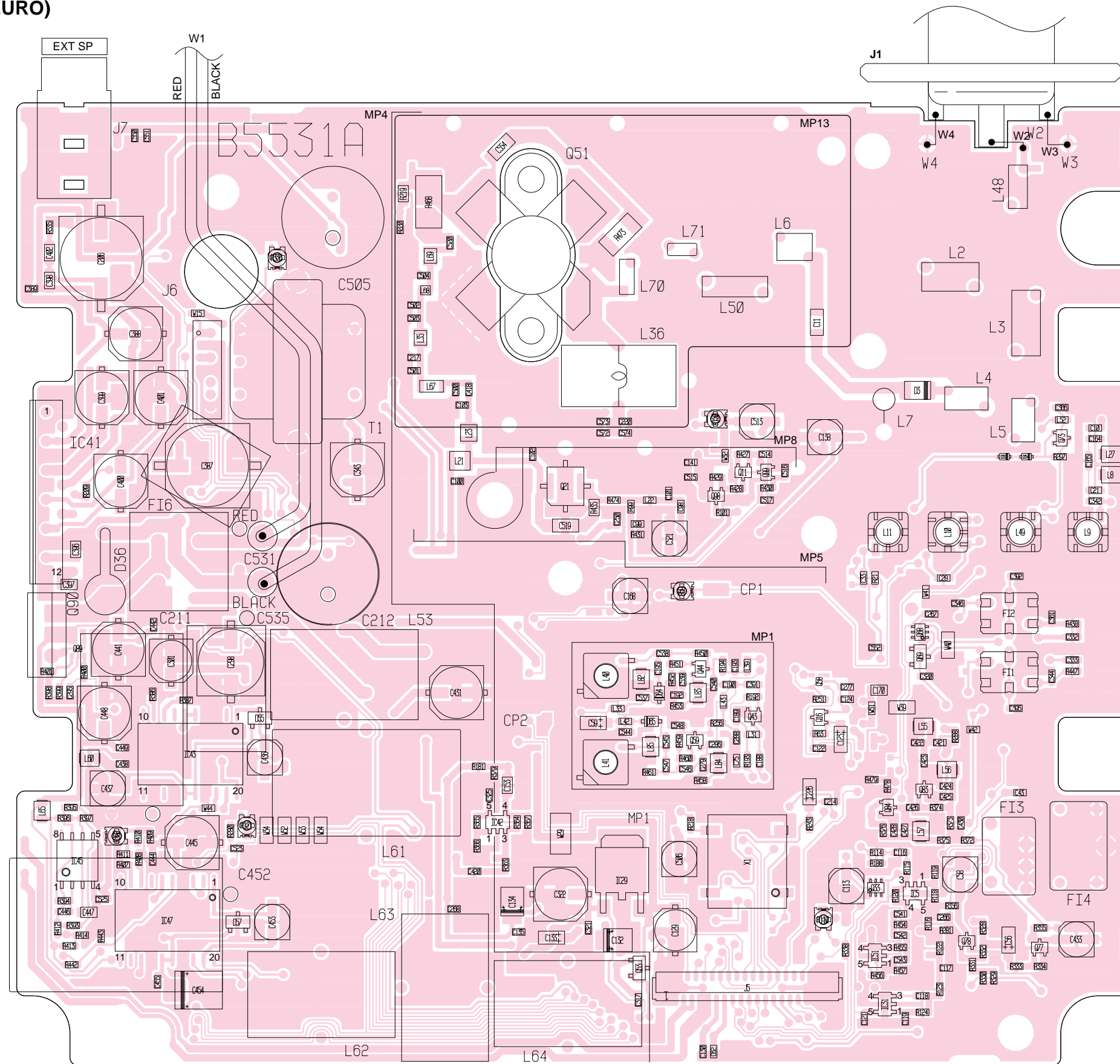
The combination of this page and the next page show the unit layout in the same configuration as the actual P.C.Board.



- **BOTTOM VIEW**



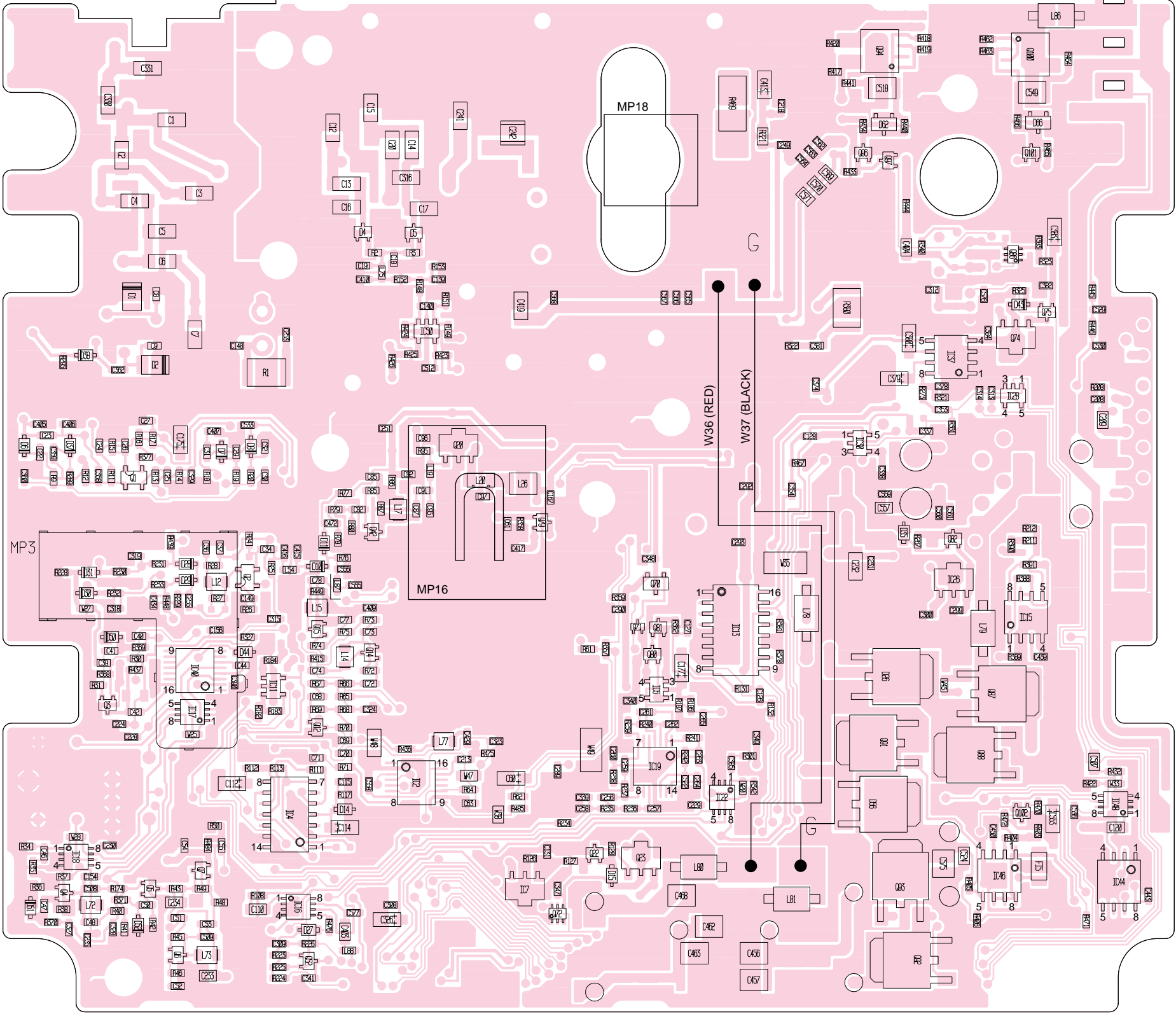
- TOP VIEW



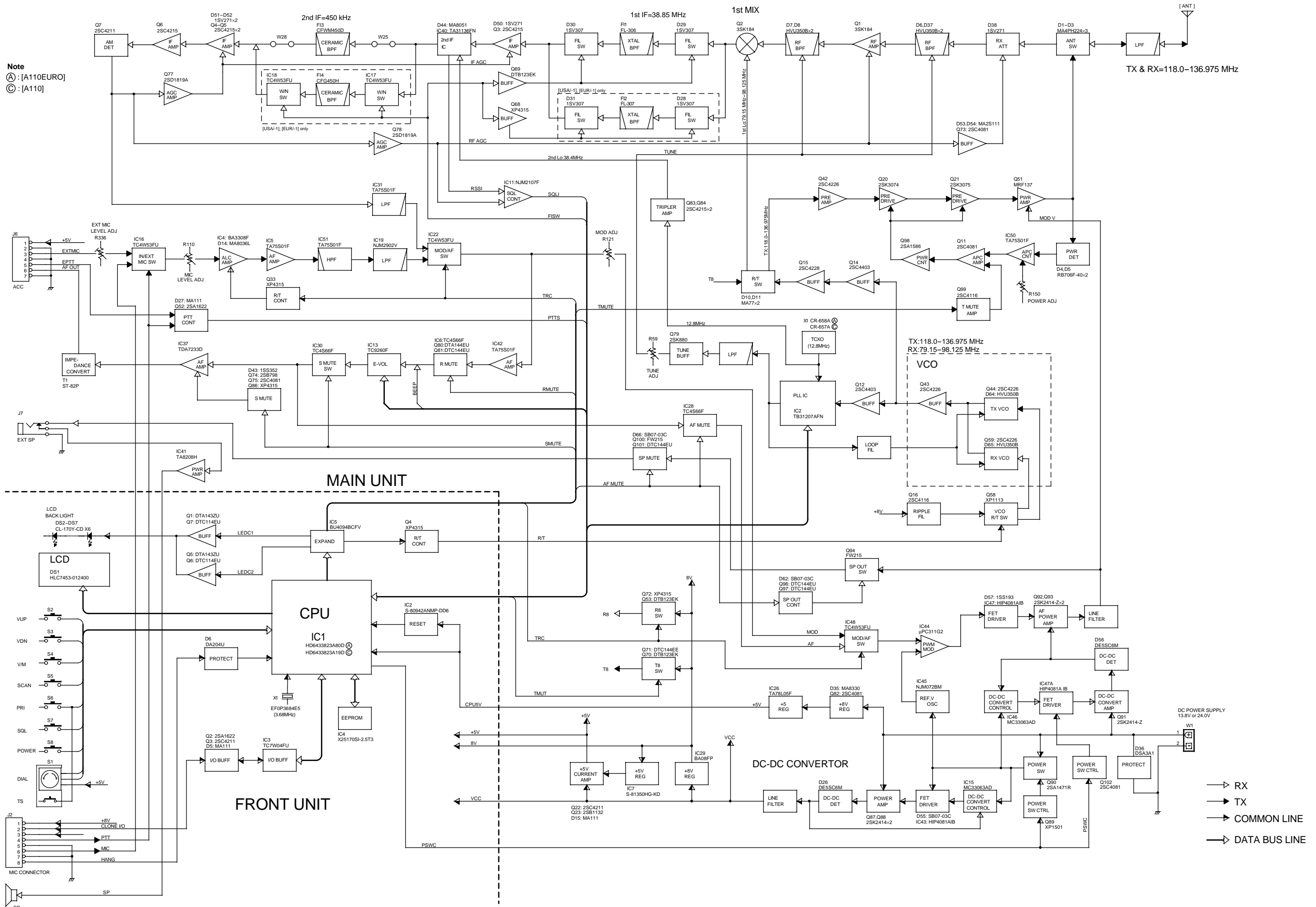
The combination of this page and the next page show the unit layout in the same configuration as the actual P.C.Board.

2		40	
J5	GND	GND	GND
	GND	RMUT	AFMUT
	SP	SMUT	VCS
	SP	8V	VCC
	5V	TRC	FISW
	PSWC	UNLK	PLSTB
	CPUSV	SO	SO
	MICE	SCK	R/T
	MIC	NC	SQLI
	PTT	GND	GND
	PTTS	GND	GND
	GND	GND	GND
	GND	GND	GND
1	from/to FRONT unit J1		39

● BOTTOM VIEW

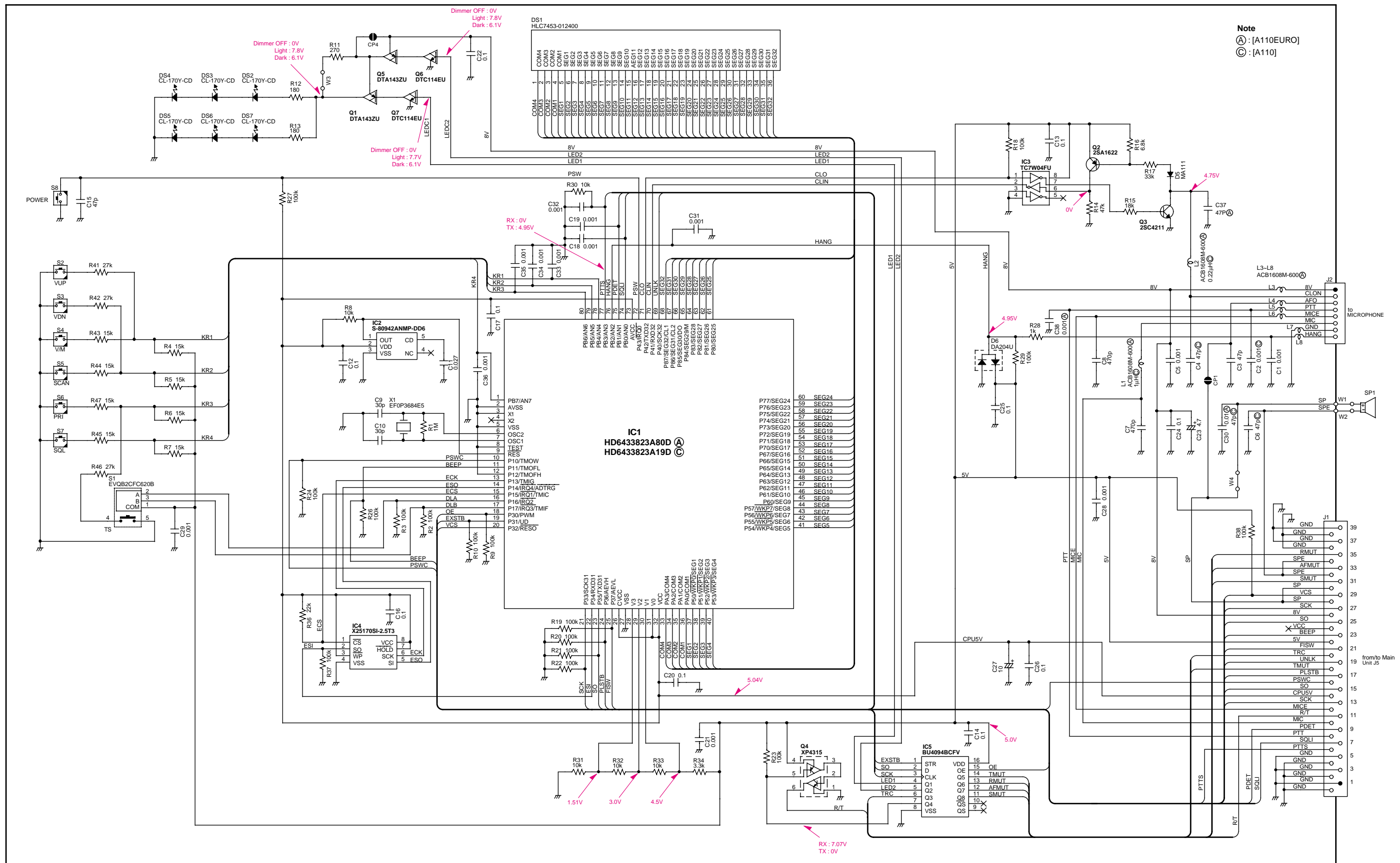


SECTION 9 BLOCK DIAGRAM

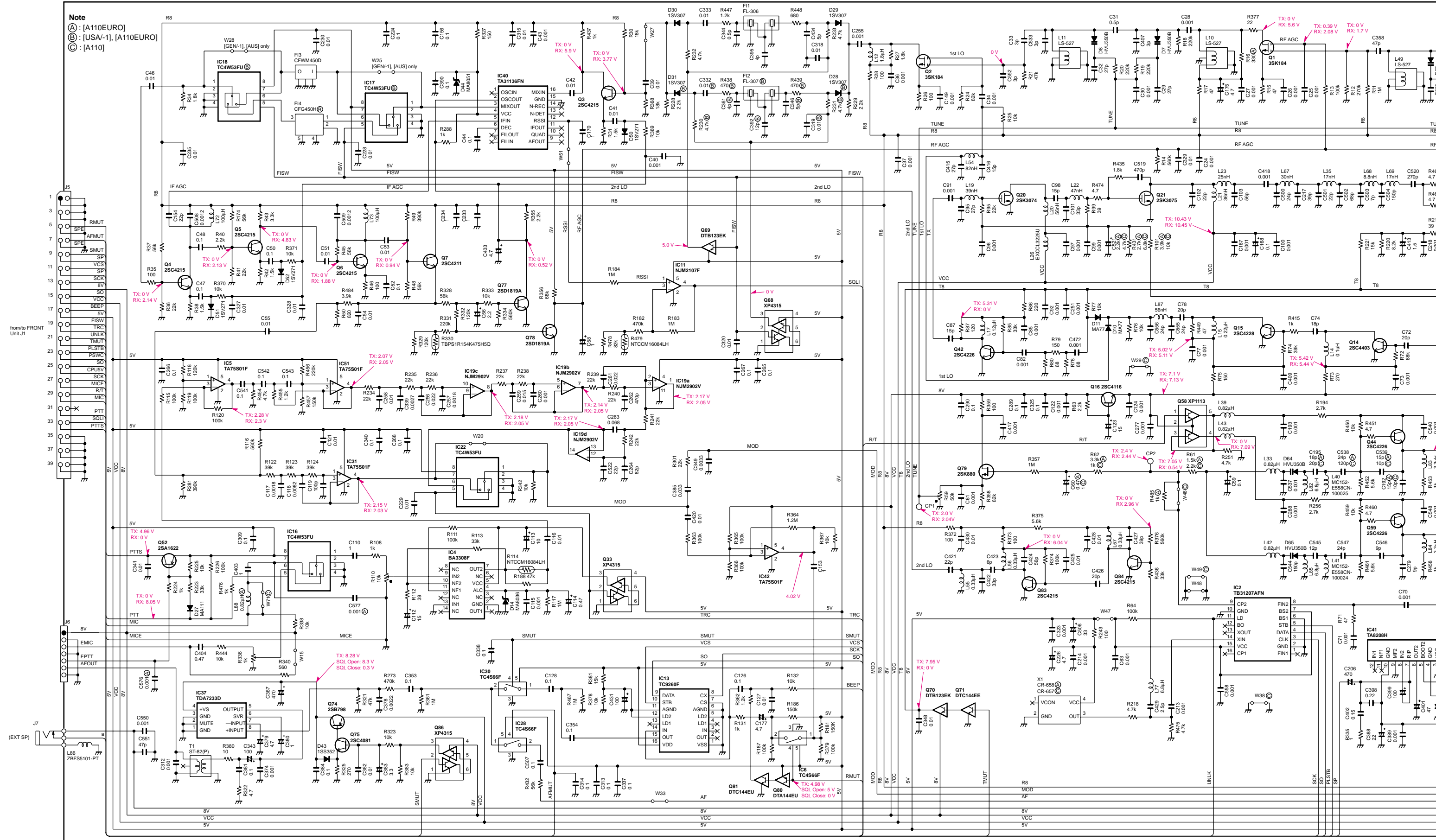


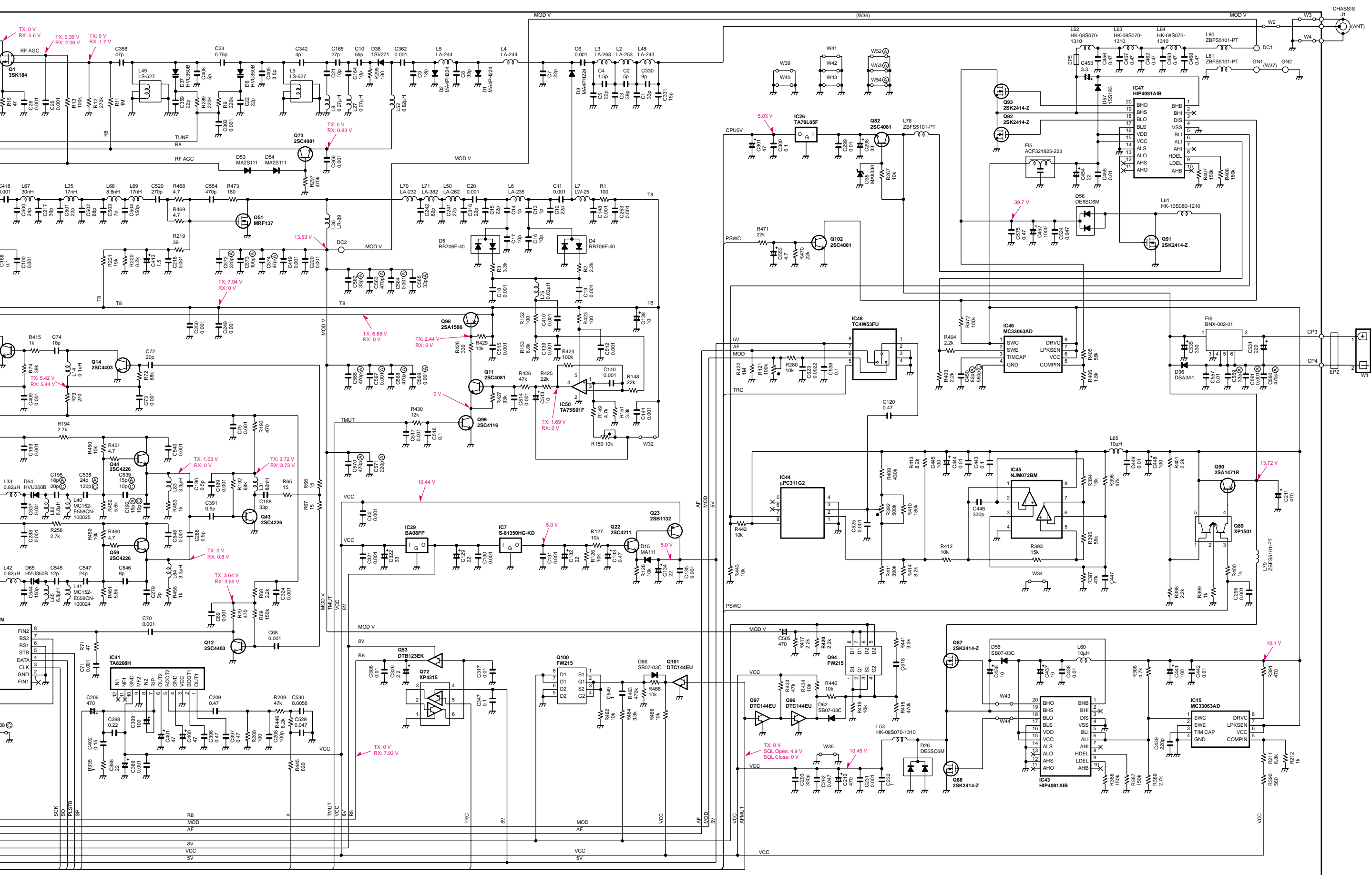
SECTION 10 VOLTAGE DIAGRAM

10-1 FRONT UNIT

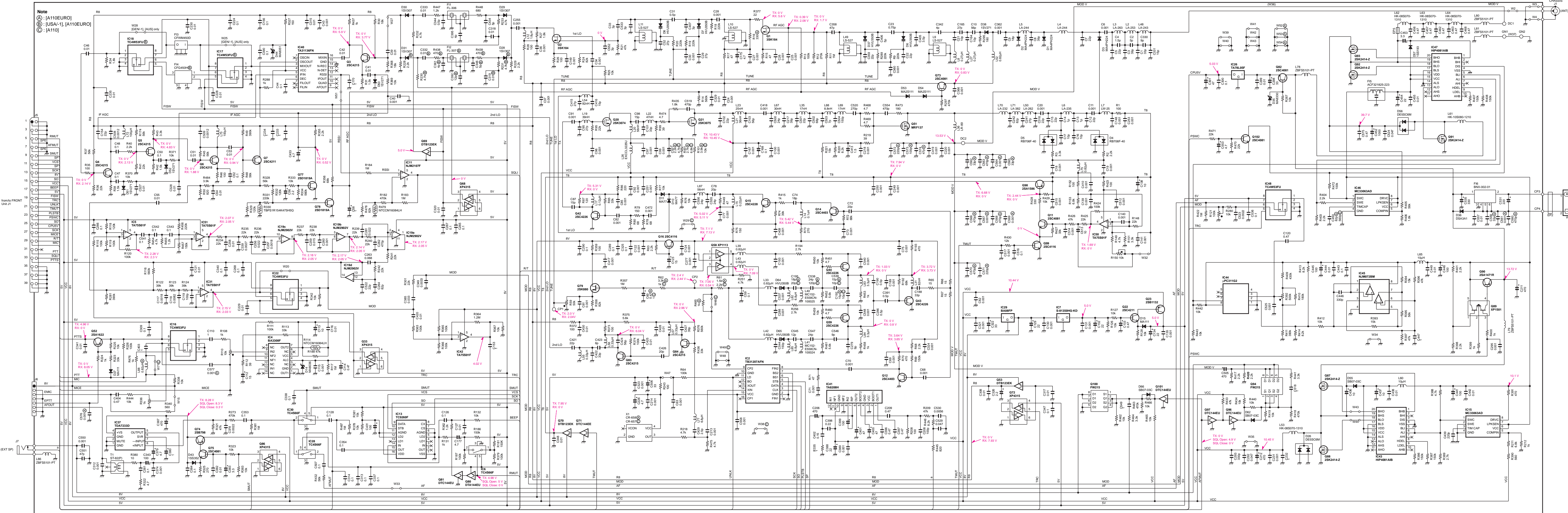


10-2 MAIN UNIT





10-2 MAIN UNIT



Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan

Phone : +81 (06) 6793 5302

Fax : +81 (06) 6793 0013

URL : <http://www.icom.co.jp/world/index.html>

Icom America Inc.

<Corporate Headquarters>

2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.

Phone : +1 (425) 454-8155 Fax : +1 (425) 454-1509

URL : <http://www.icomamerica.com>

E-mail : sales@icomamerica.com

<Customer Service>

Phone : +1 (425) 454-7619

Icom Canada

Glenwood Centre #150-6165

Highway 17 Delta, B.C., V4K 5B8, Canada

Phone : +1 (604) 952-4266 Fax : +1 (604) 952-0090

URL : <http://www.icomcanada.com>

E-mail : info@icomcanada.com

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road, Clayton VIC 3168 Australia

Phone : +61 (03) 9549-7500 Fax : +61 (03) 9549-7505

URL : <http://www.icom.net.au>

E-mail : sales@icom.net.au

Icom New Zealand

146A Harris Road, East Tamaki,

Auckland, New Zealand

Phone : +64 (09) 274 4062 Fax : +64 (09) 274 4708

URL : <http://www.icom.co.nz>

E-mail : inquiries@icom.co.nz

Beijing Icom Ltd.

Room C01, 10th Floor, Long Silver Mansion, No. 88,

Yong Ding Road, Haidian District, Beijing, 100039, China

Phone : +86 (010) 5889 4250 Fax : +86 (010) 5889 4250

URL : <http://www.bjicom.com>

E-mail : bjicom@bjicom.com

Icom (Europe) GmbH

Communication Equipment

Himmelgeister Str. 100, D-40225 Düsseldorf, Germany

Phone : +49 (0211) 346047 Fax : +49 (0211) 333639

URL : <http://www.icomeurope.com>

E-mail : info@icomeurope.com

Icom Spain S.L

Ctra. Rubi, 88, 08190, Sant Cugat del Valles, Barcelona, SPAIN

Phone : +34 (93) 590 26 70 Fax : +34 (93) 589 04 46

URL : <http://www.icomspain.com>

E-mail : icom@icomspain.com

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.

Phone : +44 (01227) 741741 Fax : +44 (01227) 741742

URL : <http://www.icomuk.co.uk>

E-mail : info@icomuk.co.uk

Icom France s.a.s.

Zac de la Plaine

1 Rue Brindejonc des Moulinais, BP 45804,

31505 Toulouse Cedex 5, France

Phone : +33 (5) 61 36 03 03 Fax : +33 (5) 61 36 03 00

URL : <http://www.icom-france.com>

E-mail : icom@icom-france.com

Asia Icom Inc.

6F No.68, Sec. 1 Cheng-Teh Road, Taipei, Taiwan, R.O.C.

Phone : +886 (02) 2559 1899 Fax : +886 (02) 2559 1874

URL : <http://www.asia-icom.com>

E-mail : sales@asia-icom.com

Icom Polska

Sopot, 3 Maja 54 Poland

Phone : +48 (58) 550 7135 Fax : +48 (58) 551 0484

E-mail : icompolaska@icompolaska.com.pl

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